

**MATERIAL SAFETY DATA SHEET**
374034AF

DATE PRINTED: 01-06-1998

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PRODUCT NAME: INTAGLIO, C/W BLACK INK, I-287
PRODUCT CODE: 374034AFHMIS CODES: H F R P
2 1 0 B

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: SICPA Securink Corporation
ADDRESS : 8000 RESEARCH WAY
SPRINGFIELD, VA 22153

EMERGENCY PHONE : (703) 455-8050

INFORMATION PHONE : (703) 455-8050

NAME OF PREPARER : TOM CLASSICK/bdr

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		WEIGHT PERCENT
		mm Hg @ TEMP		
POLYALKYLENE OXIDE POLYOL	25322-69-4	0.3	68 F	<5
OSHA PEL: Not Established				
ACGIH TLV: Not Established				
C.I. PIGMENT BLACK 7	1333-86-4	n/a	n/a	<5
OSHA PEL as Carbon Black: 3.5 mg/m3 TWA 8-hour				
ACGIH TLV as Carbon Black (1986): 3.5 mg/m3 TWA 8-hour				

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: >300 deg F

SPECIFIC GRAVITY (H2O=1): 1.54

VAPOR DENSITY: HEAVIER THAN AIR

EVAPORATION RATE: SLOWER THAN ETHER

SOLUBILITY IN WATER: SPARINGLY SOLUBLE

APPEARANCE AND ODOR: VISCOUS PASTE, VERY MILD ODOR

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: >200 deg F

METHOD USED: OC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A

UPPER: N/A

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

SELF CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

NONE KNOWN

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID

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IGNITION SOURCES**INCOMPATIBILITY (MATERIALS TO AVOID)**

STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

WILL NOT OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR**===== SECTION VI - HEALTH HAZARD DATA =====****INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

MAY CAUSE RESPIRATORY IRRITATION, DIZZINESS, DROWSINESS, HEADACHE, OR NAUSEA.

THIS PRODUCT CONTAINS A HYDROCARBON COMPOUND. UNDER NORMAL INDUSTRIAL USE, GENERATION OF MINERAL OIL MISTS IS NOT ANTICIPATED. HOWEVER, IF OIL MISTS ARE GENERATED DUE TO THE MECHANICAL OPERATION OF MOVING PRESS PARTS OR OTHER SOURCES, INHALATION OF MINERAL OIL MISTS MAY CAUSE RESPIRATORY IRRITATION, DIZZINESS, DROWSINESS, HEADACHE, OR NAUSEA. THE OSHA PEL AND THE ACGIH TLV FOR "OIL MIST, MINERAL" IS 5 mg/m³ TWA 8-HOUR.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN - MAY CAUSE REDNESS, RASH, OR DERMATITIS IN SOME HYPERSENSITIVE INDIVIDUALS.

EYE - MAY CAUSE BURNING AND IRRITATION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NONE KNOWN.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MAY PRODUCE SIGNS OF INTOXICATION SUCH AS DIZZINESS, HEADACHE, DROWSINESS, OR NAUSEA DEPENDING ON AMOUNT INGESTED. POLYALKYLENE OXIDE POLYOL IS MODERATELY TOXIC IF INGESTED.

ACUTE HEALTH HAZARDS

INHALATION - DIZZINESS, DROWSINESS, OR NAUSEA.

EYE CONTACT - THIS MATERIAL MAY CAUSE SLIGHT TO MODERATE IRRITATION OF THE EYE. TESTS OF SIMILAR PRODUCTS HAVE CAUSED EYE IRRITATION IN LABORATORY ANIMALS.

SKIN CONTACT - MAY CAUSE SLIGHT IRRITATION. PROLONGED CONTACT MAY LEAD TO DERMATITIS.

CHRONIC HEALTH HAZARDS

NONE KNOWN.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: Yes OSHA REGULATED: No
THIS PRODUCT CONTAINS CARBON BLACK. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS IDENTIFIED CARBON BLACK AS "POSSIBLY CARCINOGENIC TO HUMANS" (GROUP 2B). IARC MONOGRAPH: VOLUME 65; 1996. REPEATED INHALATION OF HIGH CONCENTRATIONS OF CARBON BLACK HAVE BEEN LINKED TO TUMORS AND OTHER LUNG DISORDERS IN EXPERIMENTAL ANIMALS. NO SUCH EFFECTS HAVE BEEN ESTABLISHED IN HUMANS. DUE TO THE NATURE OF THIS PRODUCT, INHALATION OF SIGNIFICANT QUANTITIES OF CARBON BLACK IS UNLIKELY.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

DERMATITIS.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION OVEREXPOSURE - REMOVE TO FRESH AIR.

EYE CONTACT - FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 min. SEEK MEDICAL ATTENTION.

SKIN CONTACT - WASH THOROUGHLY. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION - SEEK MEDICAL ATTENTION.

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===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

PROVIDE GOOD VENTILATION, SHOVEL AND SWEEP UP, WASH AREA THOROUGHLY.
INK SOLVENT OR MINERAL SPIRITS MAY FACILITATE CLEAN-UP.

WASTE DISPOSAL METHOD

DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS AND LAWS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE IN CLOSED CONTAINERS IN A COOL, WELL VENTILATED AREA.

OTHER PRECAUTIONS

KEEP CONTAINER CLOSED AND AWAY FROM OPEN FLAME.
DO NOT FLAME-CUT OR WELD DRUMS.
DO NOT RE-USE DRUMS FOR OTHER MATERIALS.

===== SECTION VIII - CONTROL MEASURES =====**RESPIRATORY PROTECTION**

NOT NECESSARY IN NORMAL HANDLING. NIOSH APPROVED RESPIRATOR RECOMMENDED IF EXPOSURE LIMITS ARE EXCEEDED.

VENTILATION

RECOMMEND LOCAL EXHAUST.

PROTECTIVE GLOVES

CHEMICAL RESISTANT GLOVES (e.g., NITRILE RUBBER) RECOMMENDED.

EYE PROTECTION

GOGGLES RECOMMENDED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NORMAL WORK CLOTHES TO PREVENT CONTACT WITH MATERIALS.

WORK/HYGIENIC PRACTICES

EYE WASH IN THE WORK PLACE IS RECOMMENDED.

===== SECTION IX - DISCLAIMER =====

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE, OBTAINED FROM SOURCES BELIEVED BY SICPA TO BE ACCURATE. NO GUARANTEE IS IMPLIED OR EXPRESSED REGARDING THE ACCURACY OF THIS INFORMATION, NOR DOES SICPA ASSUME ANY LEGAL RESPONSIBILITY FOR RELIANCE ON OR USE OF THIS INFORMATION. USERS ARE RESPONSIBLE FOR CONDUCTING THEIR OWN TESTS.

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PRODUCT NAME: INTAGLIO, C/W GREEN INK, I-286
PRODUCT CODE: 354034AFHMIS CODES: H F R P
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SPRINGFIELD, VA 22153

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NAME OF PREPARER : TOM CLASSICK/bdr

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
POLYALKYLENE OXIDE POLYOL			
OSHA PEL: Not Established	25322-69-4	0.3	68 F <5
ACGIH TLV: Not Established			
C.I. PIGMENT BLACK 7			
OSHA PEL as Carbon Black: 3.5 mg/m ³ TWA 8-hour	1333-86-4	n/a	n/a <5
ACGIH TLV as Carbon Black (1986): 3.5 mg/m ³ TWA 8-hour			

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: >300 deg F
VAPOR DENSITY: HEAVIER THAN AIR
SOLUBILITY IN WATER: SPARINGLY SOLUBLE
APPEARANCE AND ODOR: VISCOUS PASTE, VERY MILD ODOR
SPECIFIC GRAVITY (H₂O=1): 1.43
EVAPORATION RATE: SLOWER THAN ETHER

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: >200 deg F
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A
EXTINGUISHING MEDIA: FOAM, CO₂, DRY CHEMICAL
METHOD USED: OC
UPPER: N/A

SPECIAL FIREFIGHTING PROCEDURES

SELF CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

NONE KNOWN

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE
CONDITIONS TO AVOID

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IGNITION SOURCES**INCOMPATIBILITY (MATERIALS TO AVOID)**

STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

WILL NOT OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR**===== SECTION VI - HEALTH HAZARD DATA =====****INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

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EYE - MAY CAUSE BURNING AND IRRITATION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NONE KNOWN.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MAY PRODUCE SIGNS OF INTOXICATION SUCH AS DIZZINESS, HEADACHE, DROWSINESS, OR NAUSEA DEPENDING ON AMOUNT INGESTED. POLYALKYLENE OXIDE POLYOL IS MODERATELY TOXIC IF INGESTED.

ACUTE HEALTH HAZARDS

INHALATION - DIZZINESS, DROWSINESS, OR NAUSEA.

EYE CONTACT - THIS MATERIAL MAY CAUSE SLIGHT TO MODERATE IRRITATION OF THE EYE. TESTS OF SIMILAR PRODUCTS HAVE CAUSED EYE IRRITATION IN LABORATORY ANIMALS.

SKIN CONTACT - MAY CAUSE SLIGHT IRRITATION. PROLONGED CONTACT MAY LEAD TO DERMATITIS.

CHRONIC HEALTH HAZARDS

NONE KNOWN.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: Yes OSHA REGULATED: No

THIS PRODUCT CONTAINS CARBON BLACK. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS IDENTIFIED CARBON BLACK AS "POSSIBLY CARCINOGENIC TO HUMANS" (GROUP 2B). IARC MONOGRAPH: VOLUME 65; 1996. REPEATED INHALATION OF HIGH CONCENTRATIONS OF CARBON BLACK HAVE BEEN LINKED TO TUMORS AND OTHER LUNG DISORDERS IN EXPERIMENTAL ANIMALS. NO SUCH EFFECTS HAVE BEEN ESTABLISHED IN HUMANS. DUE TO THE NATURE OF THIS PRODUCT, INHALATION OF SIGNIFICANT QUANTITIES OF CARBON BLACK IS UNLIKELY.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

DERMATITIS.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION OVEREXPOSURE - REMOVE TO FRESH AIR.

EYE CONTACT - FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 min. SEEK MEDICAL ATTENTION.

SKIN CONTACT - WASH THOROUGHLY. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION - SEEK MEDICAL ATTENTION.

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354034AF

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===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

PROVIDE GOOD VENTILATION, SHOVEL AND SWEEP UP, WASH AREA THOROUGHLY.
INK SOLVENT OR MINERAL SPIRITS MAY FACILITATE CLEAN-UP.

WASTE DISPOSAL METHOD

DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS AND LAWS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE IN CLOSED CONTAINERS IN A COOL, WELL VENTILATED AREA.

OTHER PRECAUTIONS

KEEP CONTAINER CLOSED AND AWAY FROM OPEN FLAME.
DO NOT FLAME-CUT OR WELD DRUMS.
DO NOT RE-USE DRUMS FOR OTHER MATERIALS.

===== SECTION VIII - CONTROL MEASURES =====**RESPIRATORY PROTECTION**

NOT NECESSARY IN NORMAL HANDLING. NIOSH APPROVED RESPIRATOR RECOMMENDED IF EXPOSURE LIMITS ARE EXCEEDED.

VENTILATION

RECOMMEND LOCAL EXHAUST.

PROTECTIVE GLOVES

CHEMICAL RESISTANT GLOVES (e.g., NITRILE RUBBER) RECOMMENDED.

EYE PROTECTION

GOGGLES RECOMMENDED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NORMAL WORK CLOTHES TO PREVENT CONTACT WITH MATERIALS.

WORK/HYGIENIC PRACTICES

EYE WASH IN THE WORK PLACE IS RECOMMENDED.

===== SECTION IX - DISCLAIMER =====

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MATERIAL SAFETY DATA SHEET

Plate Printing
100PRODUCT NAME: I-286 INTAG. CYLINDER-WIPE
PRODUCT CODE: 354033AFHMIS CODES: H F R P
2 1 0 B

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: SICPA Securink Corporation
ADDRESS: 8000 RESEARCH WAY, SPRINGFIELD, VA 22153
EMERGENCY PHONE: (703) 455-8050 INFORMATION PHONE: (703) 455-8050
DATE REVISED : 01-05-94 NAME OF PREPARER : TOM CLASSICK/bdr

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	OCCUPATIONAL EXPOSURE LIMITS				VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
	CAS NUMBER	OSHA PEL	ACGIH TLV	OTHER		

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

THIS PRODUCT IS A "HAZARDOUS CHEMICAL" AS DEFINED IN 29 CFR 1910.1200. HAZARD: EYE IRRITANT. SEE SECTION VI.

APPROVED FOR USE BY THE
SAFETY & HEALTH OFFICE

MODS #: 100

DATE REVIEWED: 7-26-96

REVIEWED BY:

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: >300 deg F SPECIFIC GRAVITY (H2O=1): 1.4
VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
SOLUBILITY IN WATER: SPARINGLY SOLUBLE
APPEARANCE AND ODOR: VISCOUS PASTE, VERY MILD ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >200 F METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

SELF CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS.

SUAL FIRE AND EXPLOSION HAZARDS

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE
CONDITIONS TO AVOID

IGNITION SOURCES

INCOMPATIBILITY (MATERIALS TO AVOID)
STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS
WILL NOT OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
MAY CAUSE RESPIRATORY IRRITATION, DIZZINESS, DROWSINESS, HEADACHE, OR NAUSEA.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE
SKIN - MAY CAUSE REDNESS, RASH, OR DERMATITIS IN SOME HYPERSENSITIVE INDIVIDUALS.
EYE - THIS PRODUCT IS AN EYE IRRITANT, BASED ON ANIMAL TESTING. CONTACT WITH EYES MAY CAUSE IRRITATION AND BURNING.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
NONE KNOWN.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
MAY PRODUCE SIGNS OF INTOXICATION SUCH AS DIZZINESS, HEADACHE, DROWSINESS, OR NAUSEA DEPENDING ON AMOUNT INGESTED.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: INHALATION - DIZZINESS, DROWSINESS, OR NAUSEA.

EYE CONTACT - MAY CAUSE BURNING AND IRRITATION.

SKIN CONTACT - MAY CAUSE IRRITATION OR DERMATITIS.

CHRONIC: NONE KNOWN.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
DERMATITIS.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION OVEREXPOSURE - REMOVE TO FRESH AIR.

EYE CONTACT - FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 min. SEEK MEDICAL ATTENTION.

SKIN CONTACT - WASH THOROUGHLY. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION - SEEK MEDICAL ATTENTION.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

PROVIDE GOOD VENTILATION, SHOVEL AND SWEEP UP, WASH AREA THOROUGHLY.
SOLVENT OR MINERAL SPIRITS MAY FACILITATE CLEAN-UP.

WASTE DISPOSAL METHOD

DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS AND LAWS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
STORE IN CLOSED CONTAINERS IN A COOL, WELL VENTILATED AREA.

OTHER PRECAUTIONS

KEEP CONTAINER CLOSED AND AWAY FROM OPEN FLAME.
DO NOT FLAME-CUT OR WELD DRUMS.
DO NOT RE-USE DRUMS FOR OTHER MATERIALS.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

NOT NECESSARY IN NORMAL HANDLING.

VENTILATION

LOCAL EXHAUST.

PROTECTIVE GLOVES

RUBBER GLOVES RECOMMENDED.

EYE PROTECTION

WEAR GOGGLES OR EQUIVALENT EYE PROTECTION WHEN CONTACT WITH EYES IS POSSIBLE.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NORMAL WORK CLOTHES TO PREVENT CONTACT WITH MATERIALS.

WORK/HYGIENIC PRACTICES

EYE WASH IN THE WORK PLACE IS RECOMMENDED.

===== SECTION IX - DISCLAIMER =====

DISCLAIMER

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE, OBTAINED FROM SOURCES BELIEVED BY SICPA TO BE ACCURATE. NO GUARANTEE IS IMPLIED OR EXPRESSED REGARDING THE ACCURACY OF THIS INFORMATION, NOR DOES SICPA ASSUME ANY LEGAL RESPONSIBILITY FOR RELIANCE ON OR USE OF THIS INFORMATION. USERS ARE RESPONSIBLE FOR CONDUCTING THEIR OWN TESTS.

(C)

Material Safety Data Sheet- Page 1 of 3
Bureau Of Engraving And Printing
Identity : Black Ink BK-3989-215-Non Mag
Date 7 / 97

Section I - Chemical Product And Company Identification

Product : Black Ink BK-3989-215-Non Mag

Manufacturer : Bureau Of Engraving And Printing

9000 Blue Mound Road

Ft. Worth, TX. 76131

Prepared By : Office Of Human Resources-Safety and Occ. Health Division
(202) 874-3593

Date Prepared : 5 / 97

Hazard Ratings : Health - 1 (slight)
Flammability - 1 (slight)
Reactivity - 0 (Minimal)

APPROVED FOR USE BY THE
SAFETY & HEALTH OFFICE

MSDS #: 0915

DATE REVIEWED: 7-25-97

REVIEWED BY: DM

Section II - Composition/Ingredient Information

Component Name with Hazardous chemical, Percent, CAS #	% Component in Ink	% Hazardous Chemical in Ink	Occupational Exposure Limits
1. Raven 410 a. Carbon Black (100%) CAS # 1333-86-4	< 7 %	< 7 %	3.5 mg/m ³ PEL-TWA 3.5 mg/m ³ TLV-TWA
2. Low Viscosity Aikyd	< 4 %	< 4 %	N/A
3. I-601 Aqua Wipe Varnish a. Diethylene Glycol Mono Ethyl Ether (2%) CAS # 111-98-0	< 30 %	< 1 %	30 ppm (SICPA)
4. Cobalt 5.6% Drier a. Cobalt Tallate (5.6% as Co) CAS # 61789-52-4	< 2 %	< 1 %	0.05 mg/m ³ PEL-TWA 0.05 mg/m ³ TLV-TWA
5. 6% Manganese Lin-All Drier a. Manganese Tallate (6% as Mn) CAS # 3030-70-4	< 2 %	< 1 %	5 mg/m ³ PEL-Ceiling 5 mg/m ³ TLV-Ceiling
b. Heavy Distillates (2%) CAS # 68478-34-3		< 1 %	5 mg/m ³ TLV-TWA 10 mg/m ³ TLV-STEL
6. CC-5029D	< 5%	< 5%	N/A
7. G-33C0 Surfactant (alkyl aryl sulfonate, amine salt)	< 2 %	< 2%	N/A
8. 4507 Aikyd	< 6%	< 6%	N/A
9. Plate Oil U	< 15%	< 15%	N/A
10. Calcium Carbonate CAS # 471-34-1	< 45 %	< 45 %	5 mg/m ³ PEL-TWA (Resp) 15 mg/m ³ PEL-TWA (Total) 10 mg/m ³ TLV-TWA (Total)

Material Safety Data Sheet- Page 2 of 3
Bureau Of Engraving And Printing
Identity : Black Ink BK-3989-215-Non Mag
Date 7 / 97

Section III - Health Hazard Data

Routes of Entry: Inhalation? Yes. Skin/eye? Yes. Ingestion? Yes.

Health Hazards: Skin contact may cause irritation or dermatitis.

Eye contact may cause tearing, burning or irritation.

Excessive inhalation of vapors or mists may cause local irritation, headache, dizziness, drowsiness, nausea, giddiness, pneumonia, central nervous system depression.

Ingestion may cause vomiting.

Carcinogenicity: NTP? N/E

IARC Monographs? N/E

OSHA Regulated? N/E

Inhalation: Remove to fresh air; if breathing is difficult, get medical attention.

Signs & Symptoms of Exposure: Skin/eye irritation, headache, drowsiness, dizziness, nausea, central nervous system depression, giddiness.

Medical Conditions Generally Aggravated by Exposure: Pre-existing eye and skin disorders.

Emergency & First Aid Procedures:

Eyes: Flush with water for 15 minutes; if irritation develops, get medical attention.

Skin: Wash with soap and water; if irritation develops, get medical attention.

Section IV - Fire and Explosion Hazard Data

Flash Point: N/E

Lower Flammable Limit: N/E

Upper Flammable Limit: N/E

Extinguishing Media: Foam, CO₂, dry chemical

Special Fire Fighting Procedure: Use self-contained breathing apparatus to protect against potentially harmful and/or irritating fumes.

Unusual Fire & Explosion Hazards: Protect drums from exposure to extreme heat.

N/E - Not Established

Section V - Precautions for Safe Handling and Use

Steps to Be Taken In Case Material is Released or Spilled: Collect into suitable container for appropriate disposal. Use nitrile gloves and apron to avoid skin contact.

Waste Disposal Method: Dispose of in accordance with applicable federal and local environmental control regulations.

Precautions to Be Taken in Handling and Storing: Use nitrile gloves and apron to avoid skin contact. Keep container covered when not in use. Avoid high temperature and direct sunlight.

Other Precautions: None.

Section VI - Control Measures

Ventilation: Use adequate ventilation to avoid build-up of vapors/mists.

Respiratory Protection: Previous air sampling indicates that ventilation is adequate in maintaining employee exposure to ink components below permissible exposure limits. If necessary for comfort purposes, use air-purifying respirator equipped with organic-vapor cartridges.

Protective Gloves: Nitrile gloves.

Eye protection: Goggles, safety glasses, full-face shields

Other Protective Clothing or Equipment: Disposable lab coats, aprons, long sleeves, coveralls.

Material Safety Data Sheet- Page 3 of 3

Bureau Of Engraving And Printing

Identity : Black Ink BK-3989-215-Non Mag

Date 7 / 97

Work/Hygienic Practices: Avoid skin/eye contact and contamination of clothing. Wash hands thoroughly with soap and water after handling ink and before leaving work area. Launder-contaminated clothing before reuse. Do not eat, drink, or smoke in work area.

Section VII - Physical/Chemical Characteristics

Boiling Point: N/E	Specific Gravity: N/E
Vapor Pressure: N/E	Vapor Density: N/E
Solubility in water: N/E	pH: N/E
Physical State/Odor: Black paste/ hydrocarbon odor.	Evaporation Rate: N/E
% volatile by volume: N/E	Melting Point: N/E
N/E - Not Established	

Section VIII - Reactivity Data

Stability: Stable.
Conditions to Avoid: Extreme heat, high pressure.
Incompatibility (Materials to Avoid): Strong oxidizing and reducing chemicals.
Hazardous Decomposition Byproducts: CO₂, CO
Hazardous Polymerization: Will not occur

END OF MSDS

SICPAMATERIAL SAFETY DATA SHEET

251040F

DATE PRINTED: 01-13-1998

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PRODUCT NAME: I-347 TYPOGRAPHIC COPE GREEN
PRODUCT CODE: 251040F

HMIS CODES: H F R P
1 1 0 B

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: SICPA Securink Corporation
ADDRESS : 8000 RESEARCH WAY
SPRINGFIELD, VA 22153

EMERGENCY PHONE : (703) 455-8050

INFORMATION PHONE : (703) 455-8050

NAME OF PREPARER : TOM CLASSICK/bdr

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS

CAS NUMBER

VAPOR PRESSURE

mm Hg @ TEMP

WEIGHT

PERCENT

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

OILING RANGE: >300 deg F

SPECIFIC GRAVITY (H2O=1): 1.31

VAPOR DENSITY: HEAVIER THAN AIR

EVAPORATION RATE: SLOWER THAN ETHER

SOLUBILITY IN WATER: SPARINGLY SOLUBLE

APPEARANCE AND ODOR: VISCOUS PASTE, VERY MILD ODOR

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: >200 deg F

METHOD USED: CC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A

UPPER: N/A

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

SELF CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

NONE KNOWN

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID

IGNITION SOURCES

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

MATERIAL SAFETY DATA SHEET
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WILL NOT OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

THIS PRODUCT CONTAINS A HYDROCARBON COMPOUND. UNDER NORMAL INDUSTRIAL USE, GENERATION OF MINERAL OIL MISTS IS NOT ANTICIPATED. HOWEVER, IF OIL MISTS ARE GENERATED DUE TO THE MECHANICAL OPERATION OF MOVING PRESS PARTS OR OTHER SOURCES, INHALATION OF MINERAL OIL MISTS MAY CAUSE RESPIRATORY IRRITATION, DIZZINESS, DROWSINESS, HEADACHE, OR NAUSEA.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN - THIS MATERIAL IS CONSIDERED ESSENTIALLY NONIRRITATING. HOWEVER, FREQUENT OR PROLONGED SKIN CONTACT MAY CAUSE REDNESS, RASH, OR DERMATITIS IN SOME HYPERSENSITIVE INDIVIDUALS.

EYE - THIS MATERIAL IS EXPECTED TO BE MINIMALLY IRRITATING. HOWEVER, TESTING OF SIMILAR PRODUCTS HAS BEEN SHOWN TO CAUSE EYE IRRITATION WHEN MATERIAL IS IN CONTACT WITH THE EYE.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NONE KNOWN.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MAY PRODUCE SIGNS OF INTOXICATION SUCH AS DIZZINESS, HEADACHE, DROWSINESS, OR NAUSEA DEPENDING ON AMOUNT INGESTED.

ACUTE HEALTH HAZARDS

EYE CONTACT - THIS MATERIAL IS EXPECTED TO BE MINIMALLY IRRITATING. HOWEVER, SIMILAR PRODUCTS HAVE CAUSED EYE IRRITATION IN LABORATORY ANIMALS.

SKIN CONTACT - NONE EXPECTED. HOWEVER, PROLONGED CONTACT MAY LEAD TO IRRITATION OR DERMATITIS.

INHALATION - NONE EXPECTED. HOWEVER, HIGH CONCENTRATIONS OF MISTS OR VAPORS MAY CAUSE DIZZINESS, DROWSINESS, OR NAUSEA. THE OSHA PEL AND THE ACGIH TLV FOR "OIL MIST, MINERAL" IS 5 mg/m³ TWA 8-HOUR.

CHRONIC HEALTH HAZARDS

NONE KNOWN.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

DERMATITIS.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION OVEREXPOSURE - REMOVE TO FRESH AIR.

EYE CONTACT - FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 min. SEEK MEDICAL ATTENTION.

SKIN CONTACT - WASH THOROUGHLY. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION - SEEK MEDICAL ATTENTION.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

PROVIDE GOOD VENTILATION, SHOVEL AND SWEEP UP, WASH AREA THOROUGHLY.

INK SOLVENT OR MINERAL SPIRITS MAY FACILITATE CLEAN-UP.

WASTE DISPOSAL METHOD

DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS AND LAWS.

MATERIAL SAFETY DATA SHEET

251040F

DATE PRINTED: 01-13-1998

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
STORE IN CLOSED CONTAINERS IN A COOL, WELL VENTILATED AREA.

OTHER PRECAUTIONS

KEEP CONTAINER CLOSED AND AWAY FROM OPEN FLAME.
DO NOT FLAME-CUT OR WELD DRUMS.
DO NOT RE-USE DRUMS FOR OTHER MATERIALS.

===== **SECTION VIII - CONTROL MEASURES** =====

RESPIRATORY PROTECTION

NOT NECESSARY IN NORMAL HANDLING.

VENTILATION

RECOMMEND LOCAL EXHAUST.

PROTECTIVE GLOVES

CHEMICAL RESISTANT GLOVES (e.g., NITRILE RUBBER) RECOMMENDED.

EYE PROTECTION

GOGGLES RECOMMENDED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NORMAL WORK CLOTHES TO PREVENT CONTACT WITH MATERIALS.

WORK/HYGIENIC PRACTICES

EYE WASH IN THE WORK PLACE IS RECOMMENDED.

===== **SECTION IX - DISCLAIMER** =====

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE, OBTAINED FROM SOURCES BELIEVED BY SICPA TO BE ACCURATE. NO GUARANTEE IS IMPLIED OR EXPRESSED REGARDING THE ACCURACY OF THIS INFORMATION, NOR DOES SICPA ASSUME ANY LEGAL RESPONSIBILITY FOR RELIANCE ON OR USE OF THIS INFORMATION. USERS ARE RESPONSIBLE FOR CONDUCTING THEIR OWN TESTS.

MATERIAL SAFETY DATA SHEET

Bureau of Engraving and Printing

IDENTITY INK FORMULA BK-6002-N, Black COPE Ink

Section I Manufactured by: Bureau of Engraving & Printing
14th & C Sts, S.W.
Washington, D.C. 20228
Prepared by: Paul T. Chien, Ph.D., CIH
(202)447-1422 Date: 1/91

Section II - Hazardous Ingredients/Identity Information

Blanc Fixe	17.6%
Alkyd Resin Varnish	17.1%
Carbon Black	15.9%
Iron Blue, Green tone	15.9%
#5 Pale Varnish	14.6%
Lead Manganese Drier*	7.0%
Cobalt Resinate Drier	5.7%
Aluminum Hydrate	5.4%

*Contains 12% lead tellate, an inorganic lead compound.

APPROVED FOR USE BY THE
SAFETY & HEALTH OFFICE
MSDS #: 0705
DATE REVIEWED: _____
REVIEWED BY: _____

Estimated Threshold Limit Value -- 10mg/m³

Section III - Physical/Chemical Characteristics

Boiling Pt.: N/A	Sp. Grav.: >1.0
Vap. Pres.: <1.0	Melt. Pt.: N/A
Vap. Den.: >1.0	
Evap. Rate: <1.0 (Butyl acetate = 1)	
Solubility in water: NO	
Appearance and Odor: Black paste, hydrocarbon odor	

Section IV - Fire and Explosion Hazard Data

Flash Pt.: >104 F Flam. Limits: N/A
Extinguishing Media: Foam, CO₂, dry chemical
Special Fire Fighting Procedure: Use self-contained
breathing apparatus to protect against harmful and/or
irritating fumes.
Unusual Fire & Explosion Hazards: Protect drums from
pressure build-up and possible rupture if exposed to
extreme heat.

Section V - Reactivity Data

Stability: Stable.
Conditions to Avoid: Extreme heat, high pressure
Incompatibility (Materials to Avoid): Strong oxidizers and
reducing chemicals.
Hazardous Decomposition Byproducts: CO₂, CO
Hazardous Polymerization: N/A

Section VI - Health Hazard Data

Routes of Entry: Inhalation? Yes. Skin? Yes.
Ingestion? Yes.

Health Hazards (Acute and Chronic): Skin and eye contact may cause irritation and sensitization. Excessive inhalation of vapors or mists may cause local irritation, pneumonia, central nervous system depression.

Carcinogenicity: NTP? No. IARC Monographs? No.
OSHA Regulated? No.

Signs & Symptoms of Exposure: Skin/eye irritation, headache, nausea, pneumonia, central nervous system depression.

Medical Conditions Generally Aggravated by Exposure: Skin diseases.

Emergency & First Aid Procedures:

Eyes: Flush with water for 15 minutes; if irritation develops, get medical attention.

Skin: Wash with soap and water; if irritation develops, get medical attention.

Inhalation: Remove to fresh air; If breathing is difficult get medical attention.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled:
Collect into suitable container for appropriate disposal. Use gloves and apron to avoid skin contact.

Waste Disposal Method: Landfill or otherwise dispose of in accordance with applicable Federal and Local environmental control regulations.

Precautions to Be Taken in Handling and Storing:

Use gloves and apron to avoid skin contact. Keep container covered when not in use. Avoid high temperature and direct sunlight.

Other Precautions: None.

Section VIII - Control Measures

Respiratory Protection (Specify Type): Avoid prolonged inhalation of vapors by using approved respirators that are equipped with organic-vapor cartridges.

Ventilation: Use adequate ventilation to avoid build-up of vapors/mists.

Protective Gloves: Any kind of synthetic disposable gloves.

Eye protection: Goggles, full-face shields, masks.

Other Protective Clothing or Equipment: Disposable lab coats, aprons, long sleeves, coveralls.

Work/Hygienic Practices: Avoid skin/eye contact and contamination of clothing. Wash hands thoroughly with soap and water before leaving work area. Launder contaminated clothing before reuse. No eating, drinking or smoking in work area.



APPROVED FOR USE BY THE
SAFETY & HEALTH OFFICE

MSDS #: 720

DATE REVIEWED: 6-2-85

REVIEWED BY: 1915/ull

MATERIAL SAFETY DATA SHEET

97368 (4-85)

MSDS NUMBER ▶

7,653-1 T

PAGE 1

24 HOUR EMERGENCY ASSISTANCE			GENERAL MSDS ASSISTANCE		
SHELL: 713-473-9461 CHEMTREC: 800-424-9300			SHELL: 713-241-4819		
ACUTE HEALTH * + 2	FIRE 2	REACTIVITY 0	HAZARD RATING ▶ LEAST - 0 SLIGHT - 1 MODERATE - 2 HIGH - 3 EXTREME - 4		
*For acute and chronic health effects refer to the discussion in Section III					

BE SAFE

READ OUR PRODUCT
SAFETY INFORMATION
... AND
PASS IT ON

(PRODUCT LIABILITY LAW
REQUIRES IT)

SECTION I		NAME	
PRODUCT ▶	SHELL SOL 142 HT		
CHEMICAL NAME ▶	SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC		
CHEMICAL FAMILY ▶	HYDROCARBON SOLVENT		
SHELL CODE ▶	84044		

SECTION II-A		PRODUCT/INGREDIENT	
NO.	COMPOSITION	CAS NUMBER	PERCENT

P SHELL SOL 142 HT* 64742-88-7 100

*A COMPLEX COMBINATION OF PREDOMINANTLY C9-C12 HYDROCARBONS; EXACT COMPOSITION WILL VARY.

HMIS HAZARD RATING: HEALTH 1 FIRE 2 REACTIVITY 0

SECTION II-B		ACUTE TOXICITY DATA	
NO.	ACUTE ORAL LD50	ACUTE DERMAL LD50	ACUTE INHALATION LC50

** >25 ML/KG (RAT) >4 ML/KG (RABBIT) >700 PPM/4H (RAT)

**BASED ON EITHER PRODUCT OR ESSENTIALLY SIMILAR PRODUCT TESTING.

SECTION III		HEALTH INFORMATION	
-------------	--	--------------------	--

THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

EYE CONTACT

LIQUID IS PRACTICALLY NONIRRITATING TO THE EYES.

SKIN CONTACT

LIQUID IS SLIGHTLY IRRITATING TO THE SKIN. PROLONGED OR REPEATED LIQUID CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS.

INHALATION

VAPORS MAY CAUSE IRRITATION TO NOSE, THROAT, AND RESPIRATORY TRACT. HIGH VAPOR CONCENTRATIONS MAY RESULT IN CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION.

INGESTION

INGESTION OF PRODUCT MAY RESULT IN VOMITING; ASPIRATION (BREATHING) OF VOMITUS INTO THE LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITIES MAY RESULT IN ASPIRATION PNEUMONITIS.

SIGNS AND SYMPTOMS

IRRITATION AS NOTED ABOVE. EARLY TO MODERATE CNS DEPRESSION MAY BE EVIDENCED BY GIDDINESS, DIZZINESS AND NAUSEA; IN EXTREME CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR. ASPIRATION PNEUMONITIS MAY BE EVIDENCED BY COUGHING, LABORED BREATHING AND CYANOSIS (BLUISH SKIN); IN SEVERE CASES DEATH MAY OCCUR.

AGGRAVATED MEDICAL CONDITIONS

PREEXISTING EYE, SKIN, AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

SECTION IV

OCCUPATIONAL EXPOSURE LIMITS

NO.	OSHA PEL/TWA	OSHA PEL/CEILING	ACGIH TLV/TWA	ACGIH TLV/STEL	OTHER
P*	100 PPM		100 PPM		

*RECOMMEND THAT LIMITS FOR STODDARD SOLVENT BE USED AS A GUIDE.

SECTION V

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT

FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

SKIN CONTACT

REMOVE CONTAMINATED CLOTHING/SHOES. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. DO NOT REUSE CLOTHING UNTIL CLEANED.

INHALATION

REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING.

INGESTION

DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION.*

NOTE TO PHYSICIAN

*IF MORE THAN 2.0 ML PER KG HAS BEEN INGESTED AND VOMITING HAS NOT OCCURRED, EMESIS SHOULD BE INDUCED WITH SUPERVISION. KEEP VICTIM'S HEAD BELOW HIPS TO PREVENT ASPIRATION. IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX, CONVULSIONS OR UNCONSCIOUSNESS OCCUR BEFORE EMESIS, GASTRIC LAVAGE USING A CUFFED ENDOTRACHEAL TUBE SHOULD BE CONSIDERED.

SECTION VI

SUPPLEMENTAL HEALTH INFORMATION

MALE RATS EXPOSED FOR 90 DAYS BY INHALATION TO VAPORS OF SIMILAR SOLVENTS SHOWED EVIDENCE OF KIDNEY DAMAGE. THE RELEVANCE OF THIS EFFECT TO MAN IS UNKNOWN. IN ONE OF THE STUDIES A LOW GRADE ANEMIA WAS ALSO OBSERVED.

SECTION VII

PHYSICAL DATA

BOILING POINT: 350-415
(DEG F)

SPECIFIC GRAVITY: 0.79 @
(H2O=1) 60 DEG F

VAPOR PRESSURE: <5 @ 100 DEG F
(MM HG)

PRODUCT NAME: SHELL SOL 142 HT

MSDS 7,653-1 T
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MELTING POINT: NOT AVAILABLE
(DEG F)

SOLUBILITY: NEGLIGIBLE
(IN WATER)

VAPOR DENSITY: 5.3
(AIR=1)

EVAPORATION RATE (N-BUTYL ACETATE = 1): 0.03

APPEARANCE AND ODOR:
LIGHT COLORED LIQUID. HYDROCARBON ODOR.

SECTION VIII

FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD:
145 DEG F (TCC)

FLAMMABLE LIMITS /% VOLUME IN AIR
LOWER: 1 ; UPPER: 7

EXTINGUISHING MEDIA

USE WATER FOG, FOAM, DRY CHEMICAL OR CO2. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS

CAUTION. COMBUSTIBLE. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS

CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN CONTAINER RUPTURE. CONTAINER AREAS EXPOSED TO DIRECT FLAME CONTACT SHOULD BE COOLED WITH LARGE QUANTITIES OF WATER AS NEEDED TO PREVENT WEAKENING OF CONTAINER STRUCTURE.

SECTION IX

REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID:

AVOID HEAT, FLAME AND CONTACT WITH STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS

CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

SECTION X

EMPLOYEE PROTECTION

RESPIRATORY PROTECTION

AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS (SEC. IV) USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

PROTECTIVE CLOTHING

AVOID CONTACT WITH EYES. WEAR SAFETY GLASSES OR GOGGLES AS APPROPRIATE. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WEAR CHEMICAL-RESISTANT GLOVES AND OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT. TEST DATA FROM PUBLISHED LITERATURE AND/OR GLOVE AND CLOTHING MANUFACTURERS INDICATE THE*

ADDITIONAL PROTECTIVE MEASURES

*BEST PROTECTION IS PROVIDED BY NITRILE MATERIAL. USE EXPLOSION-PROOF VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS. AIR-DRY CONTAMINATED CLOTHING IN A WELL VENTILATED AREA THEN LAUNDER BEFORE REUSING.

SECTION XI ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES

CAUTION. COMBUSTIBLE. *** LARGE SPILLS *** ELIMINATE POTENTIAL SOURCES OF IGNITION. WEAR APPROPRIATE RESPIRATOR AND OTHER PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK ONLY IF SAFE TO DO SO. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND, OR OTHER SUITABLE MATERIAL; PLACE IN NON-LEAKING CONTAINERS AND SEAL TIGHTLY FOR PROPER DISPOSAL. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE; DISPOSE OF FLUSH SOLUTION AS ABOVE. *** SMALL SPILLS *** TAKE UP WITH AN ABSORBENT MATERIAL AND PLACE IN NON-LEAKING CONTAINERS FOR PROPER DISPOSAL.

SECTION XII SPECIAL PRECAUTIONS

KEEP LIQUID AND VAPOR AWAY FROM HEAT, SPARKS AND FLAME. SURFACES THAT ARE SUFFICIENTLY HOT MAY IGNITE EVEN LIQUID PRODUCT IN THE ABSENCE OF SPARKS OR FLAME. EXTINGUISH PILOT LIGHTS, CIGARETTES AND TURN OFF OTHER SOURCES OF IGNITION PRIOR TO USE AND UNTIL ALL VAPORS ARE GONE. VAPORS MAY ACCUMULATE AND TRAVEL TO IGNITION SOURCES DISTANT FROM THE HANDLING SITE; FLASH-FIRE CAN RESULT. KEEP CONTAINERS CLOSED WHEN NOT IN USE. USE WITH ADEQUATE VENTILATION.

CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, CAN CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, DRILL, GRIND, WELD OR PERFORM SIMILAR OPERATIONS ON OR NEAR CONTAINERS. DO NOT PRESSURIZE DRUM CONTAINERS TO EMPTY THEM.

STATIC ELECTRICITY MAY ACCUMULATE AND CREATE A FIRE HAZARD. GROUND FIXED EQUIPMENT. BOND AND GROUND TRANSFER CONTAINERS AND EQUIPMENT.

WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, APPLYING COSMETICS, OR USING TOILET FACILITIES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. AIR-DRY CONTAMINATED CLOTHING IN A WELL VENTILATED AREA BEFORE LAUNDERING.

SECTION XIII TRANSPORTATION REQUIREMENTS

DEPARTMENT OF TRANSPORTATION CLASSIFICATION:
COMBUSTIBLE LIQUID, III

D.O.T. PROPER SHIPPING NAME:
PETROLEUM DISTILLATES, N.O.S. (PETROLEUM NAPHTHA)

OTHER REQUIREMENTS:
UN1268, GUIDE 27. NOT REGULATED BY D.O.T. IF IN A CONTAINER OF 119 GALLON CAPACITY OR LESS.

SECTION XIV OTHER REGULATORY CONTROLS

THIS PRODUCT IS LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

PROTECTION OF STRATOSPHERIC OZONE (PURSUANT TO SECTION 611 OF THE CLEAN AIR ACT AMENDMENTS OF 1990): PER 40 CFR PART 82, THIS PRODUCT DOES NOT CONTAIN NOR WAS IT DIRECTLY MANUFACTURED WITH ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES.

IN ACCORDANCE WITH SARA TITLE III, SECTION 313, THE ATTACHED ENVIRONMENTAL DATA SHEET (EDS) SHOULD ALWAYS BE COPIED AND SENT WITH THE MSDS.

SECTION XV STATE REGULATORY INFORMATION

PRODUCT NAME: SHELL SOL 142 HT

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BASED ON INFORMATION AVAILABLE TO SHELL, THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBSTANCE REGULATED BY A SPECIFIC STATE LIST.

SECTION XVI

SPECIAL NOTES

THIS MSDS REVISION HAS CHANGES IN SECTION XIII. A SPANISH TRANSLATION OF THIS MSDS MAY BE OBTAINED BY CALLING 1-800-240-MSDS.

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, SHELL MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SHELL ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

DATE PREPARED: JULY 20, 1994

BE SAFE

READ OUR PRODUCT
SAFETY INFORMATION ...AND PASS IT ON
(PRODUCT LIABILITY LAW
REQUIRES IT)

J. C. WILLETT

SHELL OIL COMPANY
PRODUCT SAFETY AND COMPLIANCE
P. O. BOX 4320
HOUSTON, TX 77210



ENVIRONMENTAL DATA SHEET

EDS NUMBER ► 7,653

PAGE 1

97449 (9-87)

PRODUCT ► SHELL SOL 142 HT

PRODUCT
CODE ► 84044

SECTION I

PRODUCT/COMPOSITION

NO.	COMPONENT	CAS NUMBER	PERCENT
-----	-----------	------------	---------

P	SHELL SOL 142 HT*	64742-88-7	100
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*A COMPLEX COMBINATION OF PREDOMINANTLY C9-C12 HYDROCARBONS; EXACT COMPOSITION WILL VARY.

SECTION II

SARA TITLE III INFORMATION

NO.	EHS RQ (LBS) (*1)	EHS TPQ (LBS) (*2)	SEC 313 (*3)	313 CATEGORY (*4)	311/312 CATEGORIES (*5)
-----	----------------------	-----------------------	-----------------	----------------------	----------------------------

P					H-1, H-2, P-3
---	--	--	--	--	---------------

-FOOTNOTES-

- *1 = REPORTABLE QUANTITY OF EXTREMELY HAZARDOUS SUBSTANCE, SEC.302
- *2 = THRESHOLD PLANNING QUANTITY, EXTREMELY HAZARDOUS SUBSTANCE, SEC 302
- *3 = TOXIC CHEMICAL, SEC 313
- *4 = CATEGORY AS REQUIRED BY SEC 313 (40 CFR 372.65 C), MUST BE USED ON TOXIC RELEASE INVENTORY FORM
- *5 = HAZARD CATEGORY FOR SARA SEC. 311/312 REPORTING
 - HEALTH H-1 = IMMEDIATE (ACUTE) HEALTH HAZARD H-2 = DELAYED (CHRONIC) HEALTH HAZARD
 - PHYSICAL P-3 = FIRE HAZARD P-4 = SUDDEN RELEASE OF PRESSURE HAZARD
 - P-5 = REACTIVE HAZARD

SECTION III

ENVIRONMENTAL RELEASE INFORMATION

UNDER EPA-CWA, THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311. SPILLS INTO OR LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802.

SECTION IV

RCRA INFORMATION

IF THIS PRODUCT BECOMES A WASTE, IT WOULD NOT BE A HAZARDOUS WASTE BY RCRA CRITERIA (40 CFR 261). PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.

PRODUCT NAME: SHELL SOL 142 HT

EDS 7,653
PAGE 2

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, SHELL MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SHELL ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

DATE PREPARED: JULY 20, 1994

SHELL OIL COMPANY
CORPORATE ENVIRONMENTAL AFFAIRS
P. O. BOX 4320
HOUSTON, TX 77210

FOR ADDITIONAL INFORMATION ON THIS ENVIRONMENTAL DATA PLEASE CALL
(713) 241-2252

FOR EMERGENCY ASSISTANCE PLEASE CALL
SHELL: (713) 473-9461
CHEMTREC: (800) 424-9300

05/08/90

NO.

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME	ISOPAR E ISOMET	
CHEMICAL NAME	Not Applicable: Blend	CAS 64742-48-9
CHEMICAL FAMILY	Synthetic Isoparaffinic Hydrocarbon	
PRODUCT APPEARANCE/DESCRIPTION	Clear colorless liquid.	
RECEIVED JUL 18 1990		
EMERGENCY TELEPHONE NUMBERS:	EXXON CHEMICAL AMERICAS CHEMTREC	713-870-6000 800-424-9300

SECTION 2 HAZARDOUS INGREDIENT INFORMATION

This product is hazardous as defined in 29 CFR 1910.1200.

OSHA HAZARD
Flammable

For additional information see Section 3.

SECTION 3 HEALTH INFORMATION & PROTECTION

NATURE OF HAZARD

EYE CONTACT:

Slightly irritating but does not injure eye tissue.

SKIN CONTACT:

Frequent or prolonged contact may irritate and cause dermatitis.
Low order of toxicity.

INHALATION:

High vapor concentrations are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects.

INGESTION:

Small amounts of the liquid aspirated into the respiratory system during ingestion, or from vomiting, may cause bronchiopneumonia or pulmonary edema.
Minimal toxicity.

FIRST AID

EYE CONTACT:

Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT:

Flush with large amounts of water; use soap if available.
Remove grossly contaminated clothing, including shoes, and launder before reuse.

INHALATION:

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

INGESTION:

If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

THIS INFORMATION RELATES TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE COMPILED. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO ITS ACCURACY, RELIABILITY OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABILITY AND COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE. WE DO NOT ACCEPT LIABILITY FOR ANY LOSS OR DAMAGE THAT MAY OCCUR FROM THE USE OF THIS INFORMATION NOR DO WE OFFER WARRANTY AGAINST PATENT INFRINGEMENT.

ACUTE TOXICITY DATA IS AVAILABLE UPON REQUEST.

WORKPLACE EXPOSURE LIMITS

EXXON RECOMMENDS THE FOLLOWING OCCUPATIONAL EXPOSURE LIMITS:

400 ppm total hydrocarbon based on composition.

PRECAUTIONS

PERSONAL PROTECTION

For open systems where contact is likely, wear safety glasses with side shields, long sleeves, and chemical resistant gloves.

Where contact may occur, wear safety glasses with side shields.

Where concentrations in air may exceed the limits given in this Section and engineering, work practice or other means of exposure

reduction are not adequate, NIOSH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.

VENTILATION

The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures, or is agitated.

Use explosion-proof ventilation equipment.

CHRONIC EFFECTS

Laboratory animal studies have shown that prolonged and repeated inhalation exposure to light hydrocarbon vapors in the same naphtha boiling range as this product can produce adverse kidney effects in male rats. However, these effects were not observed in similar studies with female rats and male and female mice and in limited studies with other animal species. Additionally, in a number of human studies, there was no clinical evidence of such effects at normal occupational levels. It is therefore highly unlikely that the kidney effects observed in male rats have significant implications for humans exposed at or below recommended vapor limits in the workplace.

CHRONIC TOXICITY DATA IS AVAILABLE UPON REQUEST

SECTION 4 FIRE & EXPLOSION HAZARD

FLASHPOINT: 45 Deg F. METHOD: TCC

FLAMMABLE LIMITS: LEL: 0.6 UEL: 7.0 @ 77 Deg F.

AUTOIGNITION TEMPERATURE: 720 Deg F. NOTE: Approximate

GENERAL HAZARD

Flammable Liquid, can release vapors that form flammable mixtures at temperatures at or above the flashpoint.

Static Discharge, material can accumulate static charges which can cause an incendiary electrical discharge.

"Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

FIRE FIGHTING

Use water spray to cool fire exposed surfaces and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited, use water spray to disperse the vapors.

Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam.

Avoid spraying water directly into storage containers due to danger of

05/08/90

ISOPAR E

NO.

boilover.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS

No unusual

SECTION 5 SPILL CONTROL PROCEDURE**LAND SPILL**

Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting (see Section 7) notify the National Response Center.

Prevent liquid from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust.

Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL

Remove from surface by skimming or with suitable adsorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

SECTION 6 NOTES

No notes applicable.

SECTION 7 REGULATORY INFORMATION**DEPARTMENT OF TRANSPORTATION (DOT):**

DOT PROPER SHIPPING NAME:

PETROLEUM NAPHTHA, Flammable Liquid, UN 1255

DOT HAZARD CLASS: Flammable Liquid

DOT IDENTIFICATION NUMBER: UN 1255

NAME: Naphtha, petroleum

TSCA:

This product is listed on the TSCA Inventory at CAS Registry Number 64742-48-9

CERCLA:

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Response, Compensation, and Liability Act (CERCLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III:

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories: Delayed Health, Fire.

05/08/90 ISOPAR E

NO.

SECTION 8 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

SPECIFIC GRAVITY: 0.72 at 60	VAPOR PRESSURE, mmHg at °F: 45 at 100
SOLUBILITY IN WATER, WT. % AT °F: Less Than 10.00	VISCOSITY OF LIQUID, CST AT °F: 1 at 77
SP. GRAV. OF VAPOR, at 1 atm (Air=1): 4.24	FREEZING/MELTING POINT, °F: Less than 32
EVAPORATION RATE, n-Bu Acetate=1: 1.6	BOILING POINT, °F: 235 to 290 Approximate

SECTION 9 REACTIVITY DATA

STABILITY: Stable	HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID INSTABILITY: Not Applicable	COND. TO AVOID HAZARDOUS POLYMERIZATION: Not Applicable
MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: Strong oxidizing agents.	
HAZARDOUS DECOMPOSITION PRODUCTS: None	

SECTION 10 STORAGE AND HANDLING

ELECTROSTATIC ACCUMULATION HAZARD: Yes, use proper grounding procedure	LOADING/UNLOADING TEMPERATURE, °F: Ambient
STORAGE TEMPERATURE, °F: Ambient	VISC. AT LOADING/UNLOADING TEMP., cST: 1
AGE/TRANSPORT PRESSURE, mmHg: Atmospheric	

REVISION SUMMARY:

Since FEBRUARY 7, 1990 this MSDS has been revised in Section(s):

7

REFERENCE NUMBER: HDHA-C-25040	DATE PREPARED: May 8, 1990	SUPERCEDES ISSUE DATE: February 7, 1990
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FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR TECHNICAL SALES REPRESENTATIVE
FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 713-870-6885



Material Safety Data Sheet

**SAFETY-KLEEN
PREMIUM SOLVENT**

*used in Waste Treatment
Parts washer*

Part Number: 6605

SAFETY-KLEEN PREMIUM SOLVENT
MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

SECTION 1 – PRODUCT AND PREPARATION INFORMATION

PRODUCT INFORMATION

IDENTITY (TRADE NAME): SAFETY-KLEEN PREMIUM SOLVENT

SYNONYMS: Parts Washer Solvent; Petroleum Distillates; Petroleum Naphtha; Naphtha, Solvent; Stoddard Solvent; Mineral Spirits

SK PART NUMBER(S): 6605

FAMILY/CHEMICAL NAME: Petroleum hydrocarbon

PRODUCT USE: Cleaning and degreasing metal parts.
If this product is used in combination with other chemicals, refer to the Material Safety Data Sheets for those chemicals.

24-HOUR EMERGENCY TELEPHONE

These numbers are for emergency use only. If you desire non-emergency information about this product, please call a telephone number listed below.

MEDICAL:

1-800-752-7869 (U.S.A.)
1-312-942-5969 (CANADA)
RUSH POISON CONTROL CENTER
CHICAGO, ILLINOIS, U.S.A.

TRANSPORTATION:

1-708-888-4660 (U.S.A.)
SAFETY-KLEEN ENVIRONMENT,
HEALTH AND SAFETY DEPARTMENT
1-613-996-6666 (CANADA)
CANUTEC

MANUFACTURER/SUPPLIER: Safety-Kleen Corp. - 1000 North Randall Road - Elgin, IL, U.S.A. 60123-7857
Telephone number: 1-800-669-5840
Safety-Kleen Canada Inc. - 300 Woolwich Street South - Breslau, ON, Canada N0B 1M0
Telephone number: 1-800-265-2792

PREPARATION INFORMATION

MSDS FORM NO.: 82529 **REVISION DATE:** February 2, 1994

ORIGINAL ISSUE DATE: January 7, 1993 **SUPERSEDES:** February 11, 1993

PREPARED BY: Product MSDS Coordinator **APPROVED BY:** MSDS Task Force

TELEPHONE NUMBER: For Product Technical Information Call 1-312-694-2700 (U.S.A.); 1-519-648-2291 (Canada)

SECTION 2 – HAZARDOUS COMPONENTS

NAME	SYNONYM	CAS NO.	WT%	OSHA PEL		ACGIH TLV		OTHER DATA	
				TWA	STEL	TWA	STEL	LD ^a	LC ^b
Distillates (petroleum) hydrotreated light	Solvent naphtha (petroleum), heavy aliph., hydrotreated	64742-47-8 ^{e,f}	100	500 ^{c,d} ppm	N.Av.	100 ^c ppm	N.Av.	> 5000	> 5500 ^c mg/m ³ /4 hours

N.Av. = Not Available

^aOral-Rat LD50 (mg/kg)

^bInhalation-Rat LC50

^cFor Stoddard Solvent CAS 8052-41-3

^dReference source 1910.1000 29 CFR Ch. XVII (7-1-92 edition): 100 ppm TWA

^eFor Stoddard Solvent: 29500 mg/m³ (approximately 5000 ppm) IDLH

^fFor Petroleum Distillates: 10000 ppm IDLH

SAFETY-KLEEN PREMIUM SOLVENT
MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

SECTION 5 -- FIRE AND EXPLOSION HAZARD DATA

**EMERGENCY RESPONSE
GUIDE NUMBER:**

27
Reference 1993 *Emergency Response Guidebook* (RSPA P 5800.6)

**FIRE AND
EXPLOSION HAZARDS:**

Decomposition and combustion products may be toxic. Heated containers may rupture, explode, or be thrown into the air. Vapors are heavier than air and may travel great distances to ignition source and flash back. Vapor explosion hazard indoors, outdoors, or in sewers. Run-off to sewer may create fire or explosion hazard. Not sensitive to mechanical impact. Material may be sensitive to static discharge, which could result in fire or explosion.

FIRE FIGHTING PROCEDURES:

Keep storage containers cool with water spray. Positive-pressure, self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection.

EXTINGUISHING MEDIA:

Carbon dioxide, foam, dry chemical, or water spray.

CONDITIONS OF FLAMMABILITY:

Heat, sparks, or flame.

FLASH POINT:

150°F (66°C) (approximately) Tag Closed Cup

AUTOIGNITION TEMPERATURE:

440°F (227°C) (minimum)

FLAMMABLE LIMITS IN AIR:

LOWER: 1.0 Vol. % **UPPER:** 9.3 Vol. %

**HAZARDOUS COMBUSTION
PRODUCTS:**

Burning may produce carbon monoxide.

SECTION 6 -- REACTIVITY DATA

STABILITY:

Stable under normal temperatures and pressures, and not reactive with water.

**INCOMPATIBILITY (MATERIALS AND
CONDITIONS TO AVOID):**

Avoid strong acids, bases, or oxidizing agents. Chlorine may cause a violent reaction. Avoid heat, sparks, or flame.

HAZARDOUS POLYMERIZATION:

Not known to occur under normal temperatures and pressures.

**HAZARDOUS DECOMPOSITION
PRODUCTS:**

None under normal temperatures and pressures.

SECTION 7 -- PREVENTIVE MEASURES

PRECAUTIONS FOR SAFE USE AND HANDLING

**HANDLING
PRECAUTIONS:**

Keep away from heat, sparks, or flame. Where explosive mixtures may be present, equipment safe for such locations should be used. When transferring material, metal containers, including tank cars and trucks, should be grounded and bonded. Avoid contact with eyes, skin, clothing, or shoes. Use in well ventilated area and avoid breathing vapor or mist.

**PERSONAL
HYGIENE:**

Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco products. Clean contaminated clothing, shoes, and protective equipment before reuse. Discard contaminated clothing, shoes, or protective equipment if they cannot be thoroughly cleaned.

**SHIPPING AND
STORING
PRECAUTIONS:**

Keep container tightly closed when not in use and during transport. Do not pressurize, drill, cut, heat, weld, braze, grind, or expose containers to flame or other sources of ignition. Empty product containers may contain product residue. See Section 9 for Packing Group information.

SAFETY-KLEEN PREMIUM SOLVENT
MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

**COEFFICIENT OF WATER/OIL
DISTRIBUTION:**

less than 1

MOLECULAR WEIGHT:

155 to 180

SECTION 9 – OTHER REGULATORY INFORMATION

TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPHTHA)

DOT CLASS: Combustible Liquid

DOT ID NUMBER: NA1993 PG III

TDG CLASSIFICATION: Not regulated.

SARA TITLE III: Product does not contain toxic chemicals subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Product poses the following physical and health hazards as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986:

Immediate (Acute) Health Hazard
Delayed (Chronic) Health Hazard
Fire Hazard

WHMIS CLASSIFICATION: B3, Flammable and Combustible Material, Combustible Liquids;
D2B, Poisonous and Infectious Material, Materials Causing Other Toxic Effects,
Toxic Material

TSCA: All of the components for this product are listed on, or are exempted from the requirement to be listed on, the TSCA Inventory.

CALIFORNIA: This product is not for sale or use in the State of California.

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the material as supplied to the user.



APPROVED FOR USE BY THE
SAFETY & HEALTH OFFICE

MSDS #: 720

DATE REVIEWED: 6-7-85

REVIEWED BY: 1915 Bull

MATERIAL SAFETY DATA SHEET

97368 (4-85)

MSDS NUMBER ▶

7,653-1 T

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24 HOUR EMERGENCY ASSISTANCE		GENERAL MSDS ASSISTANCE	
SHELL: 713-473-9461 CHEMTREC: 800-424-9300		SHELL: 713-241-4819	
ACUTE HEALTH + 2	FIRE 2	REACTIVITY 0	HAZARD RATING LEAST - 0 SLIGHT - 1 MODERATE - 2 HIGH - 3 EXTREME - 4
*For acute and chronic health effects refer to the discussion in Section III			



SECTION I		NAME	
PRODUCT ▶	SHELL SOL 142 HT		
CHEMICAL NAME ▶	SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC		
CHEMICAL FAMILY ▶	HYDROCARBON SOLVENT		
SHELL CODE ▶	84044		

SECTION II-A		PRODUCT/INGREDIENT	
NO.	COMPOSITION	CAS NUMBER	PERCENT

P SHELL SOL 142 HT* 64742-88-7 100

*A COMPLEX COMBINATION OF PREDOMINANTLY C9-C12 HYDROCARBONS; EXACT COMPOSITION WILL VARY.

HMIS HAZARD RATING: HEALTH 1 FIRE 2 REACTIVITY 0

SECTION II-B		ACUTE TOXICITY DATA	
NO.	ACUTE ORAL LD50	ACUTE DERMAL LD50	ACUTE INHALATION LC50

** >25 ML/KG (RAT) >4 ML/KG (RABBIT) >700 PPM/4H (RAT)

**BASED ON EITHER PRODUCT OR ESSENTIALLY SIMILAR PRODUCT TESTING.

SECTION III		HEALTH INFORMATION	
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THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

EYE CONTACT
LIQUID IS PRACTICALLY NONIRRITATING TO THE EYES.

SKIN CONTACT
LIQUID IS SLIGHTLY IRRITATING TO THE SKIN. PROLONGED OR REPEATED LIQUID CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS.

INHALATION
VAPORS MAY CAUSE IRRITATION TO NOSE, THROAT, AND RESPIRATORY TRACT. HIGH VAPOR CONCENTRATIONS MAY RESULT IN CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION.

INGESTION
INGESTION OF PRODUCT MAY RESULT IN VOMITING; ASPIRATION (BREATHING) OF VOMITUS INTO THE LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITIES MAY RESULT IN ASPIRATION PNEUMONITIS.

PRODUCT NAME: SHELL SOL 142 HT

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SIGNS AND SYMPTOMS

IRITATION AS NOTED ABOVE. EARLY TO MODERATE CNS DEPRESSION MAY BE EVIDENCED BY GIDDINESS, DIZZINESS AND NAUSEA; IN EXTREME CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR. ASPIRATION MONITIS MAY BE EVIDENCED BY COUGHING, LABORED BREATHING AND CYANOSIS (BLUISH SKIN); IN SEVERE CASES DEATH MAY OCCUR.

AGGRAVATED MEDICAL CONDITIONS

PREEXISTING EYE, SKIN, AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

SECTION IV

OCCUPATIONAL EXPOSURE LIMITS

NO.	PEL/TWA	OSHA PEL/CEILING	TLV/TWA	ACGIH TLV/STEL	OTHER
P*	100 PPM		100 PPM		

*RECOMMEND THAT LIMITS FOR STODDARD SOLVENT BE USED AS A GUIDE.

SECTION V

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT

FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

SKIN CONTACT

REMOVE CONTAMINATED CLOTHING/SHOES. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. DO NOT REUSE CLOTHING UNTIL CLEANED.

INHALATION

REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING.

INGESTION

DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION.*

NOTE TO PHYSICIAN

*IF MORE THAN 2.0 ML PER KG HAS BEEN INGESTED AND VOMITING HAS NOT OCCURRED, EMESIS SHOULD BE INDUCED WITH SUPERVISION. KEEP VICTIM'S HEAD BELOW HIPS TO PREVENT ASPIRATION. IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX, CONVULSIONS OR UNCONSCIOUSNESS OCCUR BEFORE EMESIS, GASTRIC LAVAGE USING A CUFFED ENDOTRACHEAL TUBE SHOULD BE CONSIDERED.

SECTION VI

SUPPLEMENTAL HEALTH INFORMATION

MALE RATS EXPOSED FOR 90 DAYS BY INHALATION TO VAPORS OF SIMILAR SOLVENTS SHOWED EVIDENCE OF KIDNEY DAMAGE. THE RELEVANCE OF THIS EFFECT TO MAN IS UNKNOWN. IN ONE OF THE STUDIES A LOW GRADE ANEMIA WAS ALSO OBSERVED.

SECTION VII

PHYSICAL DATA

BOILING POINT: 350-415
(DEG F)

SPECIFIC GRAVITY: 0.79 @
(H2O=1) 60 DEG F

VAPOR PRESSURE: <5 @ 100 DEG F
(MM HG)

PRODUCT NAME: SHELL SOL 142 HT

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MELTING POINT: NOT AVAILABLE
(DEG F)

SOLUBILITY: NEGLIGIBLE
(IN WATER)

VAPOR DENSITY: 5.3
(AIR=1)

EVAPORATION RATE (N-BUTYL ACETATE = 1): 0.03

APPEARANCE AND ODOR:
LIGHT COLORED LIQUID. HYDROCARBON ODOR.

SECTION VIII

FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD:
145 DEG F (TCC)

FLAMMABLE LIMITS /% VOLUME IN AIR
LOWER: 1 ; UPPER: 7

EXTINGUISHING MEDIA

USE WATER FOG, FOAM, DRY CHEMICAL OR CO2. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS

CAUTION. COMBUSTIBLE. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS). INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS

CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN CONTAINER RUPTURE. CONTAINER AREAS EXPOSED TO DIRECT FLAME CONTACT SHOULD BE COOLED WITH LARGE QUANTITIES OF WATER AS NEEDED TO PREVENT WEAKENING OF CONTAINER STRUCTURE.

SECTION IX

REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID:

AVOID HEAT, FLAME AND CONTACT WITH STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS

CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

SECTION X

EMPLOYEE PROTECTION

RESPIRATORY PROTECTION

AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS (SEC. IV) USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

PROTECTIVE CLOTHING

AVOID CONTACT WITH EYES. WEAR SAFETY GLASSES OR GOGGLES AS APPROPRIATE. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WEAR CHEMICAL-RESISTANT GLOVES AND OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT. TEST DATA FROM PUBLISHED LITERATURE AND/OR GLOVE AND CLOTHING MANUFACTURERS INDICATE THE*

ADDITIONAL PROTECTIVE MEASURES

*BEST PROTECTION IS PROVIDED BY NITRILE MATERIAL. USE EXPLOSION-PROOF VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS. AIR-DRY CONTAMINATED CLOTHING IN A WELL VENTILATED AREA THEN LAUNDER BEFORE REUSING.

SECTION XI

ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES

CAUTION. COMBUSTIBLE. *** LARGE SPILLS *** ELIMINATE POTENTIAL SOURCES OF IGNITION. WEAR APPROPRIATE RESPIRATOR AND OTHER PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK ONLY IF SAFE TO DO SO. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND, OR OTHER SUITABLE MATERIAL; PLACE IN NON-LEAKING CONTAINERS AND SEAL TIGHTLY FOR PROPER DISPOSAL. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE; DISPOSE OF FLUSH SOLUTION AS ABOVE. *** SMALL SPILLS *** TAKE UP WITH AN ABSORBENT MATERIAL AND PLACE IN NON-LEAKING CONTAINERS FOR PROPER DISPOSAL.

SECTION XII

SPECIAL PRECAUTIONS

KEEP LIQUID AND VAPOR AWAY FROM HEAT, SPARKS AND FLAME. SURFACES THAT ARE SUFFICIENTLY HOT MAY IGNITE EVEN LIQUID PRODUCT IN THE ABSENCE OF SPARKS OR FLAME. EXTINGUISH PILOT LIGHTS, CIGARETTES AND TURN OFF OTHER SOURCES OF IGNITION PRIOR TO USE AND UNTIL ALL VAPORS ARE GONE. VAPORS MAY ACCUMULATE AND TRAVEL TO IGNITION SOURCES DISTANT FROM THE HANDLING SITE; FLASH-FIRE CAN RESULT. KEEP CONTAINERS CLOSED WHEN NOT IN USE. USE WITH ADEQUATE VENTILATION.

CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, CAN CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, DRILL, GRIND, WELD OR PERFORM SIMILAR OPERATIONS ON OR NEAR CONTAINERS. DO NOT PRESSURIZE DRUM CONTAINERS TO EMPTY THEM.

STATIC ELECTRICITY MAY ACCUMULATE AND CREATE A FIRE HAZARD. GROUND FIXED EQUIPMENT. BOND AND GROUND TRANSFER CONTAINERS AND EQUIPMENT.

WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, APPLYING COSMETICS, OR USING TOILET FACILITIES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. AIR-DRY CONTAMINATED CLOTHING IN A WELL VENTILATED AREA BEFORE LAUNDERING.

SECTION XIII

TRANSPORTATION REQUIREMENTS

DEPARTMENT OF TRANSPORTATION CLASSIFICATION:
COMBUSTIBLE LIQUID, III

D.O.T. PROPER SHIPPING NAME:
PETROLEUM DISTILLATES, N.O.S. (PETROLEUM NAPHTHA)

OTHER REQUIREMENTS:
UN1268, GUIDE 27. NOT REGULATED BY D.O.T. IF IN A CONTAINER OF 119 GALLON CAPACITY OR LESS.

SECTION XIV

OTHER REGULATORY CONTROLS

THIS PRODUCT IS LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

PROTECTION OF STRATOSPHERIC OZONE (PURSUANT TO SECTION 611 OF THE CLEAN AIR ACT AMENDMENTS OF 1990): PER 40 CFR PART 82, THIS PRODUCT DOES NOT CONTAIN NOR WAS IT DIRECTLY MANUFACTURED WITH ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES.

IN ACCORDANCE WITH SARA TITLE III, SECTION 313, THE ATTACHED ENVIRONMENTAL DATA SHEET (EDS) SHOULD ALWAYS BE COPIED AND SENT WITH THE MSDS.

SECTION XV

STATE REGULATORY INFORMATION

PRODUCT NAME: SHELL SOL 142 HT

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BASED ON INFORMATION AVAILABLE TO SHELL, THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBSTANCE REGULATED BY A SPECIFIC STATE LIST.

SECTION XVI

SPECIAL NOTES

THIS MSDS REVISION HAS CHANGES IN SECTION XIII. A SPANISH TRANSLATION OF THIS MSDS MAY BE OBTAINED BY CALLING 1-800-240-MSDS.

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, SHELL MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SHELL ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

DATE PREPARED: JULY 20, 1994

J. C. WILLETT

BE SAFE
READ OUR PRODUCT
SAFETY INFORMATION ...AND PASS IT ON
(PRODUCT LIABILITY LAW
REQUIRES IT)

SHELL OIL COMPANY
PRODUCT SAFETY AND COMPLIANCE
P. O. BOX 4320
HOUSTON, TX 77210

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION

P.O. Box 13087

Austin, Texas 78711-3087



TRK
4236
TRK
540026

Comp
18476871 (D)

Form approved, OMB No. 2050-0039, expires 09/30/95

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. T X 1 2 0 0 9 3 9 6 2 6		Manifest Document No. 7 3 1 7		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address BUREAU OF ENGRAVING & PRINTING 9000 BLUE MOUND ROAD FORT WORTH, TX 76131						A. State Manifest Document Number 01131617				
4. Generator's Phone (817) 847-3946						B. State Generator's ID				
5. Transporter 1 Company Name TRI-STATE MOTOR TRANSIT COMPANY						6. US EPA ID Number M O D 0 9 5 0 3 8 9 9 8		C. State Transporter's ID		
7. Transporter 2 Company Name						8. US EPA ID Number		D. Transporter's Phone 800/234-8768		
9. Designated Facility Name and Site Address LAIDLAW ENVIRONMENTAL SERVICES, INC. 3536 FITE ROAD MILLINGTON, TN 38053						10. US EPA ID Number T N D 0 0 0 6 1 4 3 2 1		E. State Transporter's ID		
								F. Transporter's Phone		
								G. State Facility's ID		
								H. Facility's Phone 901/358-5695		
11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
X	a. RQ, WASTE FLAMMABLE LIQUID, N.O.S., (MIXED SOLVENTS), 3, UN1993, II					007	D.M	02100	P	D001
X	b. WASTE FLAMMABLE LIQUID, N.O.S., (WASTE OILS), 3, UN1993, III					017	D.M	05100	P	D001
X	c. HAZARDOUS WASTE SOLID, N.O.S., (ORGANIC DEBRIS), 9, NA3077, III					002	D.M	00700	P	D004, D005, D006, D007, 8, 9, 10, 11
X	d. WASTE CAUSTIC ALKALI LIQUID, N.O.S., (CAUSTIC CLEANER), 8, UN1719, II					001	D.F	00350	P	D002
J. Additional Descriptions for Materials Listed Above a) M626IL101 MIXED SOLVENTS D) M626BL012 CAUSTIC CLEANER B) M626IL103 WASTE OILS C) M626DS059 ORGANIC DEBRIS						K. Handling Codes for Wastes Listed Above				
15. Special Handling Instructions and Additional Information 24 HR. EMERGENCY # 800-535-5053 GUIDE # a) 128 b) 128 c) 171 d) 154 TRUCK # 40490 TPO # 84166 DPO # 84168										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.										
Printed/Typed Name Rick A. Hill						Signature Rick A. Hill			Month Day Year 1/1/97	
17. Transporter 1 Acknowledgement of Receipt of Materials										
Printed/Typed Name JEFF MILTON						Signature Jeff Milton			Month Day Year 1/1/97	
18. Transporter 2 Acknowledgement of Receipt of Materials										
Printed/Typed Name						Signature			Month Day Year	
19. Discrepancy Indication Space										
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										
Printed/Typed Name KENNETH RAGLAND						Signature Kenneth L. Ragland			Month Day Year 1/1/97	

NATURAL RESOURCE
CONSERVATION COMMISSION

Box 13087

Austin, Texas 78711-3087



TRC 4234 Comp 184568
TRC 248024

Print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039, expires 09/30/95

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

T X 1 2 0 0 9 3 9 6 2 6

Manifest
Document No. 73172

2. Page 1
of 1

Information in the shaded areas
is not required by Federal law.

3. Generator's Name and Mailing Address

BUREAU OF ENGRAVING & PRINTING

9000 BLUE MOUND ROAD

FORT WORTH, TX 76131

4. Generator's Phone (817) 847-3946

5. Transporter 1 Company Name

TRI-STATE MOTOR TRANSIT COMPANY

6. US EPA ID Number

M O D 0 9 5 0 3 8 9 9 8

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

LIDLAW ENVIRONMENTAL SERVICES, INC.

3536 FITE ROAD

MILLINGTON, TN 38053

10. US EPA ID Number

T N D 0 0 0 6 1 4 3 2 1

A. State Manifest Document Number

01131618

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone 800/234-8768

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

901/358-5695

11A.
HM

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13.
Total
Quantity

14.
Unit
Wt/Vol

15.
Waste No.

X a. RQ, WASTE ALKALI LIQUID, N.O.S., (PRINTING PRESS RINSE), 8, UN1719, II

001

D.M.

00350

P

D002

X b. RQ, HAZARDOUS WASTE SOLID, N.O.S., (F006 SOLID), 9, NA3077, III

001

D.M.

00400

P

D004-5,6,7,8,9,10,11, F006

c. NON-REGULATED SOLIDS
(OIL FILTERS)

002

D.M.

00400

P

N/A

J. Additional Descriptions for Materials Listed Above

a) M626BL101 PRINTING PRESS RINSE

b) M626MS023 F006 SOLIDS

K. Handling Codes for Wastes Listed Above

c) M626NS104 OIL FILTERS

15. Special Handling Instructions and Additional Information

24 HR. EMERGENCY # 800/535-5053

GUIDE #

a) 154 b) 171

TRUCK #

TPO #

DPO #

40490
84166
84168

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

RICK A. WILK

Signature

RICK A. WILK

Month Day Year

11/13/97

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

JEFF M. LAM

Signature

JEFF M. LAM

Date

Month Day Year

11/13/97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

KENNETH L. RAGLAND

Signature

Kenneth L. Ragland

Date

Month Day Year

11/18/97

**NATURAL RESOURCE
CONSERVATION COMMISSION**

Box 13087
Austin, Texas 78711-3087



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Form approved. OMB No. 2050-0039, expires 09/30/95

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. T X 1 2 0 0 9 3 9 6 2 6		2. Page 1 of 1		3. Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address BUREAU OF ENGRAVING & PRINTING 9000 BLUE MOUND ROAD FORT WORTH, TX 76131				A. State Manifest Document Number 01131622			
4. Generator's Phone (817) 847-3946				B. State Generator's ID 38907			
5. Transporter 1 Company Name TRI-STATE MOTOR TRANSIT COMPANY		6. US EPA ID Number M O D 0 9 5 0 3 8 9 9 8		C. State Transporter's ID		D. Transporter's Phone 800-234-8768	
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address LAIDLAW ENVIRONMENTAL SERVICES, INC. 3536 FITE ROAD MILLINGTON, TN 38053				10. US EPA ID Number T N D 0 0 0 6 1 4 3 2 1		G. State Facility's ID	
				H. Facility's Phone 901/358-5695			
11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
X	a. HAZARDOUS WASTE SOLID, N.O.S., (FLOURESCENT LIGHT BULBS), 9, NA3077, III			001 D M	00600	P	D009
X	b. WASTE BATTERIES, FILLED W/ACID 8, UN2794, II			001 D F	00300	P	D002, D008
	c.						
	d.						
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above			
a) M626DS102 FLOURESCENT LIGHT BULBS							
b) M626AL007 WET LEAD ACID BATTERIES							
15. Special Handling Instructions and Additional Information 24 HR. EMERGENCY # 800/535-5053				TRUCK # DE500 TPO # 84898 DPO # 84899			
GUIDE # a) 171 b) 154							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Pick A. Hill				Signature <i>Pick A. Hill</i>		Month Day Year 01/15/98	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Scripter</i>		Month Day Year 01/15/98	
Printed/Typed Name SCRIPTER				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Donna K. Brown				Signature <i>Donna K. Brown</i>		Month Day Year 01/25/98	

NATURAL RESOURCE
CONSERVATION COMMISSION

Box 13087

Austin, Texas 78711-3087



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039, expires 09/30/95

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No: T. X. 1.2.0.0.9.3.9.6.2.6		Manifest Document No: 80152		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address BUREAU OF ENGRAVING & PRINTING 9000 BLUE MOUND ROAD FORT WORTH, TX 76131						A. State Manifest Document Number 01131621							
4. Generator's Phone (817) 847-3946						B. State Generator's ID 38907							
5. Transporter 1 Company Name TRI-STATE MOTOR TRANSIT COMPANY				6. US EPA ID Number M. O. D. 0.9.5.0.3.8.9.9.8		C. State Transporter's ID							
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 800-234-8768							
9. Designated Facility Name and Site Address LIDLAW ENVIRONMENTAL SERVICES, INC 3536 FITE ROAD MILLINGTON, TN 38053						E. State Transporter's ID							
10. US EPA ID Number T. N. D. 0.0.0.6.1.4.3.2.1						F. Transporter's Phone							
						G. State Facility's ID							
						H. Facility's Phone 901/358-5695							
11A. HM		11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
X		a. HAZARDOUS WASTE SOLID, N.O.S., (ORGANIC DEBRIS), 9, NA3077, III				003 D.F.		00300		P		D004, 5, 6, 7, D008, 9, 10, 11	
X		b. WASTE CAUSTIC ALKALI LIQUID, N.O.S., (CAUSTIC CLEANER), 8, UN1719, II				009 D.F.		03600		P		D002	
X		c. WASTE CAUSTIC ALKALI LIQUID, N.O.S., (CAUSTIC CLEANER), 8, UN1719, II				002 D.M.		00800		P		D002	
X		d. RQ, HAZARDOUS WASTE SOLID, N.O.S., (MERCURY DEBRIS), 9, NA3077, II				001 D.M.		00150		P		D009	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
a) M626DS059 ORGANIC DEBRIS D) M626DS043 MERCURY DEBRIS													
b) M626BL012 CAUSTIC CLEANER													
c) M626BL012 CAUSTIC CLEANER													
15. Special Handling Instructions and Additional Information						24 HR. EMERGENCY # 800-535-5053							
GUIDE # a) 171 b) 154 c) 154 d) 171						TRUCK # DE500 TPO # 84898 DPO # 84899							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Rick A. Hill				Signature <i>Rick A. Hill</i>				Month Day Year 01/15/98					
17. Transporter 1 Acknowledgement of Receipt of Materials								Date					
Printed/Typed Name SCRIPTER, ERIC				Signature <i>Eric Scripter</i>				Month Day Year 01/15/98					
18. Transporter 2 Acknowledgement of Receipt of Materials								Date					
Printed/Typed Name				Signature				Month Day Year					
19. Discrepancy Indication Space line 11A contains no should read 2 instead of 3. (see 01-30-98)													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										Date			
Printed/Typed Name Donna K. Brown				Signature <i>Donna K. Brown</i>				Month Day Year 01/25/98					

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION

P.O. Box 13087

Austin, Texas 78711-3087



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Form approved. OMB No. 2050-0039, expires 09/30/95

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. T X 1 2 0 0 9 3 9 6 2 6	Manifest Document No. 8 0 1 5 1	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address BUREAU OF ENGRAVING & PRINTING 9000 BLUE MOUND ROAD FORT WORTH, TX 76131				A. State Manifest Document Number 01131619			
4. Generator's Phone (817) 847-3946				B. State Generator's ID 38907			
5. Transporter 1 Company Name TRI-STATE MOTOR TRANSIT COMPANY		6. US EPA ID Number M O D 0 9 5 0 3 8 9 9 8		C. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 800-234-8768			
9. Designated Facility Name and Site Address LAIDLAW ENVIRONMENTAL SERVICES, INC. 3536 FITE ROAD MILLINGTON, TN 38053				E. State Transporter's ID			
10. US EPA ID Number T N D 0 0 0 6 1 4 3 2 1				F. Transporter's Phone			
				G. State Facility's ID			
				H. Facility's Phone 901/358-5695			
11A HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.	
X	a. WASTE FLAMMABLE LIQUID, N.O.S., (WASTE OILS), 3, UN1993, III	002	D.M.	00700	P	D001	
X	b. RQ, WASTE FLAMMABLE LIQUID, N.O.S., (MIXED SOLVENTS), 3, UN1993, II	002	D.M.	00600	P	D001	
X	c. RQ, HAZARDOUS WASTE SOLID, N.O.S., (FOO6 SOLID) 9, NA3077, III	002	D.M.	00800	P	D004, 5, 6, 7, D008, 9, 10, 11 F006	
X	d. HAZARDOUS WASTE SOLID, N.O.S., (ORGANIC DEBRIS), 9, NA3077, III	003	D.M.	01000	P	D004, 5, 6, 7, D008, 9, 10, 11	
J. Additional Descriptions for Materials Listed Above a) M626LL103 WASTE OILS d) M626DS059 ORGANIC DEBRIS b) M626LL101 MIXED SOLVENTS c) M626MS023 F006 SOLIDS				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information 24 HR. EMERGENCY # 800-535-5053 GUIDE# a) 128 b) 128 c) 171 d) 171				TRUCK # DE500 TPO # 84898 DPO # 84899			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Rick A. Hill				Signature <i>[Signature]</i>		Month Day Year 01/15/98	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name SCRIPTER, ERIC				Signature <i>[Signature]</i>		Month Day Year 01/15/98	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space line 11A container no. should read 3 DM instead of 2. Pre 01-30-98.							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Donna K. Brown				Signature Donna K Brown		Month Day Year 10/12/98	

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION

P.O. Box 13087

Austin, Texas 78711-0287



Print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.
TX 120093962

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

Bureau of Engraving & Printing
9000 Blue Mound Road
Fort Worth, TX 76131

4. Generator's Phone (817) 847-3820

5. Transporter 1 Company Name

Clean Harbors Environmental Services Inc. VMA 039322250

7. Transporter 2 Company Name

9. Designated Facility Name and Site Address

Spring Grove Resource Recovery
4879 Spring Grove Avenue
Cincinnati, OH 45232

10. US EPA ID Number

1040000815625

A. State Manifest Document Number

01514872

B. State Generator's ID

38901

C. State Transporter's ID

41315

D. Transporter's Phone

781-849-1800

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

Z0031

H. Facility's Phone

513 681-5738

HA HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	1. WASTE CORROSIVE LIQUIDS, N.O.S. (CONTAINS X POTASSIUM HYDROXIDE) (K086), 8, UN1760, II	006	DF	03300	P	K086 D002 D005
	2. WASTE CORROSIVE LIQUIDS, N.O.S. (CONTAINS X POTASSIUM HYDROXIDE) (K086), 8, UN1760, II	002	DM	01100	P	K086 D002 D005
	3. WASTE FLAMMABLE LIQUIDS, N.O.S. (PETROLEUM X DISTILLATES, MINERAL SPIRITS), 3, UN1993, II	006	DM	02400	P	D001
	4. WASTE FLAMMABLE LIQUIDS, N.O.S. (D001) (PETROLEUM OIL), 3, UN1993, III	009	DM	02700	P	D001

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

- 11a (SL), (C, E, T), (154)
- 11b (SL), (C, E, T), (154)
- 11c (SL), (T), (128)
- 11d (SL), (T), (128)

- 15a CH104836 - D006, D007, D008
- 15b CH104836 - D006, D007, D008
- 15c CH104928 -
- 15d CH104931

IN EMERGENCY, CALL CHES 1-800-645-8265
wo# D9106188
11c. 0003203H
11d. 0002209H

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: COLLEEN MCKINNEY Signature: Colleen McKinney Month: 10 Day: 10 Year: 1998

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert A. Harmon Signature: Robert A. Harmon Month: 10 Day: 10 Year: 1998

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month: Day: Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Michael Spillane Signature: Michael Spillane Month: 10 Day: 10 Year: 1998



Information in the shaded areas is not required by Federal law.

H. Facility's Phone: _____

Printed/Typed Name	Signature
Michael Spillane	Michael Spillane

TNRCC-0311 (Rev. 07/01/97)

Clean Harbors has appropriate permits for & will accept the waste the generator is shipping.



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 6-89)

Form Approved, OMB No. 2050-0039, Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
Generator's Name and Mailing Address Bureau of Engraving & Printing 9000 Blue Mound Road Fort Worth, TX 76131		Location If Different		TX 1200939626		111878		A. Illinois Manifest Document Number IL 7311878 FEE PAID IF APPLICABLE	
4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 800-645-8265		5. Transporter 1 Company Name Clean Harbors Env Services Inc		6. US EPA ID Number MA0039322250		7. Illinois Generator's ID 9480019999		B. Illinois Generator's ID	
7. Transporter 2 Company Name Dart Trucking Company Inc.		8. US EPA ID Number OHD009865825		9. Designated Facility Name and Site Address Clean Harbors Services Inc 11800 South Stony Island Ave Chicago, IL 60617		10. US EPA ID Number ILD000608471		C. Illinois Transporter's ID 781849-1802	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ WASTE BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE (D008), 8, UN2794, III		12. Containers No. Type 002 DF		13. Total Quantity 00400		14. Unit P		I. Waste No. XX 0002	
b.								EPA HW Number XX	
c.								Authorization Number	
d.								EPA HW Number XX	
								Authorization Number	
Additional Description for Materials Listed Above 11a CH104835 D008 0022309H		K. Handling Codes for Wastes Listed Above In Item #14							
15. Special Handling Instructions and Additional Information wo# D9106188									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		Printed/Typed Name COLLEEN MCKINNEY		Signature Colleen McKinney		Date 040198			
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Robert A Harmon		Signature Robert A Harmon		Date 090198			
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name HOWARD L DAVIES		Signature Howard L Davies		Date 42398			
19. Discrepancy Indication Space									
9. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Printed/Typed Name ROB SHEAHAN		Signature Rob Sheahan		Date 050698			

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

Clean Harbors has appropriate permits for receiving the waste the generator is shipping.

In case of a spill call the Illinois Office of Emergency Response at 217 / 782-7860 and the National Response Center at 800 / 424-8802 or 202 / 426-2675.

ORGANIC DEBRIS #1

1626 DS057 (38)

☐ New ☐ Amendment

GENERATOR INFORMATION

Generator Name: Bureau of Engraving & Printing Technical Contact: Harold Christ
Facility Address: 9000 Blue Island Rd. Telephone: (578) 847-3845 EXT. _____
City/County: Fort Worth Fax: _____
State: Tx Zip Code: 76131 Billing Name: _____
USEPA ID#: * TX1200939626 Billing Address: C.E.S.
State ID#: _____ City: _____ State: _____ Zip Code: _____
Attention: _____ Telephone: _____ EXT. _____

B. DOT Shipping Name: HAZARDOUS WASTE, SOLID, N.O.S.

Hazard Class: 9

UN/NA No.: NA3077 Packing Group: III RQ: _____

C. RCRA RCRA Non Hazardous/Exempt? ☐ Yes ☒ No Process Generating: _____

SPILL CLEAN UP

State Waste Codes: _____ EPA Waste Codes: D004 D005 D006 D007

D008 D009 D010 D011

D. ANNUAL REPORT CODES

SIC Code: _____

Source Code: A

Form Code: B

Origin Code: _____

System Type: M

E. OTHER COMPONENTS

	No	Yes	Total ppm
PCB's	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Cyanides	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Sulfides	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Pesticides	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Phenolics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Dioxins	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Halogens	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____ %

F. PHYSICAL CHARACTERISTICS AT 70° F

1. Infectious or Biological Waste? ☐ Yes ☒ No
2. NRC Regulated Radioactive? ☐ Yes ☒ No
3. Reactivity: ☒ None ☐ Water Reactive
☐ Pyrophoric ☐ Shock Sensitive
☐ Cyanides ☐ DOT Explosive
☐ Sulfides ☐ Other: _____

is (Cylinder) ☒ Solid 100 %
Aerosol ☐ Sludges _____ %
Lab-Pack ☐ Free Liquids _____ %
100%

Layers: ☒ Single Layered ☐ Bi-layered ☐ Multi-layered

Viscosity: ☐ Low ☐ Medium ☒ High

Odor: ☒ None ☐ Mild ☐ Strong Describe: _____

Color/Appearance: DEBRIS

Weight
Density: 5-10 lbs./gal. (US, liq) lbs./cu. foot
Dry Weight: ☐ <1.0% ☐ 5-20%
☐ 1-5% ☒ 20-100%

pH: ☐ N/A ☒ 4.1-10 ☐ ≥ 12.5
☐ 0-2 ☐ 10.1-12.4 Exact: _____
☐ 2.1-4

Flash Point (liquid only): ☐ <73°F (23°C) ☐ 73-140°F (23-60°C)
☐ 142-200°F (61-93°C) ☐ >200°F (93°C)
☐ N/A Boiling Point: ☐ <95°F (35°C)
☐ >95°F (35°C) ☒ N/A

BTU/Lb. >5,000

H. PHYSICAL/CHEMICAL CONSTITUENTS
ORGANIC DEBRIS CONSISTING OF PAPER, CARDBOARD, TYVEKS, GLOVES, RUBBER, 0-10 %
PLASTIC, PAINT BRUSHES/ROLLERS, _____ %
WOOD PIECES, PAINT CHIPS, SPILL _____ %

PIGS, SPONGES, _____ %

RESPIRATOR CARTRIDGES CONTAMINATED WITH FUELS, OILS, ACID BASES, 0-10 %

WATER, PAINT, GREASE, OTHER _____ %

ABSORBANT, DIRT 0-5 %

_____ %

_____ %

_____ %

_____ %

_____ %

ONLY CODES THAT APPLY WILL BE _____ %

MANIFESTED 100 %

(Attach All MSDS, Sample Analysis and Additional Info.)

Dermal Toxicity LD₅₀ (Mg/Kg): ☐ ≤40 ☐ >200, ≤1000
☐ >40, ≤200 ☒ >1000

4. Material poisonous by inhalation? ☐ Yes ☒ No

Oral Toxicity LD₅₀ (Mg/Kg): ☐ ≤5 ☐ >5, ≤50

Solids: ☐ >50, ≤200 ☒ >200

Liquids: ☐ >50, ≤500 ☐ >500

5. Is this waste stored in vented drums? ☐ Yes ☒ No

6. Is this waste pumpable? ☐ Yes ☒ No

7. Is this waste polymerizable? ☐ Yes ☒ No

8. Is waste stream subject to the National Emission Standards for Benzene Waste Operations (40 CFR 61 Subpart FF)? ☐ Yes ☒ No

9. Is this waste regulated as an ozone depleting substance (40 CFR part 82)? ☐ Yes ☒ No

10. Does this waste contain scrap metal pieces greater than 2 inches in size? ☒ Yes ☐ No

I. ANTICIPATED VOLUME

Qty.	Container	Qty.	Container
<input type="checkbox"/> _____	5 gal. pail	<input type="checkbox"/> _____	Cubic Yard Box*
<input type="checkbox"/> _____	15 gal. carboy	<input type="checkbox"/> _____	Super Sack*
<input type="checkbox"/> _____	30 gal. drum	<input type="checkbox"/> _____	Roll-off/Dump Trailer*
<input type="checkbox"/> _____	55 gal. drum	<input type="checkbox"/> _____	Tanker*
<input type="checkbox"/> _____	85 gal. drum	<input type="checkbox"/> _____	Other _____

Per: ☐ 1 Time ☐ Week ☐ Month
☐ Year ☒ Other 500,000 LB A YR

(*) Is this waste regulated as a Marine Pollutant (49 CFR 171.8)? ☐ Yes ☒ No

G. METALS

☐ NONE ☐ TCLP (MG/L) ☒ TOTAL (PPM)

	Reg. Limit	Below	Above	Range
Arsenic	5 mg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<15
Barium	100 mg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<200
Cadmium	1 mg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<200
Chromium	5 mg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<350
Copper		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<10
Lead	5 mg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<2500
Mercury	0.2 mg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<3
Nickel	134 mg/L	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<10
Selenium	1 mg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<20
Silver	5 mg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<25
Zinc		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<10
Others:				

Generator's Certification:

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this profile.

Generator's Authorized Signature: Harold Christ

Date: 12-1-93



Material Profile

14626 05057

TC Rule Certification/Recertification

CHARACTERISTICS OF HAZARDOUS WASTE: Indicate if this waste contains any of the following characteristics based on criteria mandated by 40 CFR 261.21, 261.22, 261.23, and 261.24.

Approved by _____
 Date Approved _____
 Final Review _____
 Analysis Date _____

Regulatory Threshold Lvl	(Check One) Yes No	Scientific Data	Generator's Knowledge	Actual Value
001 Concentration of Ignitability	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	1
002 Characteristic of Corrosivity	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	pH
003 Characteristic of Reactivity	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
004 (Acute)	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
005 (Burd)	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
006 (Choking)	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
007 (Chlorine)	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
008 (Lead)	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
009 (Mercury)	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
010 (Silver)	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
011 (Sulfur)	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
012 Endrin	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
013 Lindane	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
014 Heptachlor	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
015 Toxaphene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
016 Dieldrin	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
017 2,4-Dichloro-Phenoxyacetic acid	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
018 Butadiene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
019 Carbon	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
020 Chlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
021 Chlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
022 Chlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
023 Chlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
024 Chlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	
025 Chlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	

Regulatory Threshold Lvl	(Check One) Yes No	Scientific Data	Generator's Knowledge	Actual Value
006 Cited	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	200.0
007 1,4-	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	7.5
008 Dichlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	0.5
009 Dichlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	0.7
010 Dichlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	0.15
011 Dichlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	0.005
012 Dichlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	0.15
013 Dichlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	0.5
014 Dichlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	200.0
015 Dichlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	2.0
016 Dichlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	100.0
017 Dichlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	8.0
018 Dichlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	0.7
019 Dichlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	0.5
020 Dichlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	400.0
021 Dichlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	2.0
022 Dichlorobenzene	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/>	0.2

As defined by the TCRA (40 CFR 191.1), EP Toxicity is no longer acceptable.

LISTED: Hazardous Waste: Indicate if this waste also contains any listed hazardous waste codes in 40 CFR 261.21, 261.22 and 261.23 by including the appropriate EPA hazard code(s).

GENERATOR CERTIFICATION

I hereby certify that all information submitted on this form and all attached documents are true and accurate.

SIGNATURE: *David Love* DATE: 12-1-93

TX WASTE CODE	WASTE MATERIAL	TYPE	EPA CODE 1	EPA CODE 2	EPA CODE 3	EPA CODE 4
0002209H	WASTE OIL	H	D001			
0003203H	WASTE SOLVENTS	H	D001			
0004110H	WASTE CAUSTIC	H	D002	<i>spent</i>		
0005319H	ELECTROPLATING SLUDGE	H	D007			
00074073	WASTE PVC	3	NH			
0008003H	LAB PAKS	H	D002			
0009119H	PLATING LIQUID	H	D007			
0010301H	DIRT/OIL CLEANUP	H	D001			
0011309H	WASTE MERCURY DEVICES	H	D009			
0012103H	WASTE NICKEL BATH	H	D007			
0013310H	CARBON FILTERS	H	D001			
00143071	NICKEL SOLIDS	1	NH			
00153101	DRAINED OIL FILTERS	1	NH			
00163101	NON-HAZ SPILL CLEANUP	1	NH			
0017104H	WASTE HCL SOLUTION	H	D002			
0018110H	PRINTING PRESS RINSE(DRUMS)	H	D002			
0019119H	DE-CHROME LIQUID	H	D007	D002		
0020103H	CHROMIC ACID (LIQUID)	H	D007	D002		
0021110H	PRINTING PRESS RINSE(BULK)	H	D002			
0022309H	WET LEAD ACID BATTERY	H	D002	D008		
00233091	DRY ALKALINE BATTERY	1	NH			
0024309H	MERCURY BATTERIES	H	D009			
0025309H	DRY NI-Cad BATTERIES	H	D006			
0026309H	DRAINED LEAD ACID BATTERY	H	D008			
0027309H	SULFURIC ACID SPILL CLEAN UP	H	D002			
00283101	SPENT RESIN	1	NH			
00292961	ANTIFREEZE	1	NH			
0030307H	LEAD/ANTIMONY ANODES	H	D008			
0031310H	HAZARDOUS DEBRIS	H	D007	D001	D002	
00323081	EMPTY DRUMS (STEEL/PLASTIC)	1	NH			
0033404H	ACTIVATED CARBON	H	D001			
0034001H	WASTE CLEANER(1-1-1 C2CL3)	H	U226			
00353162	SODA ASH - DISCONTINUED	2	NH			

TX WASTE CODE	WASTE MATERIAL	TYPE	EPA CODE 1	EPA CODE 2	EPA CODE 3	EPA CODE 4
00364032	PVC RESIN - DISCONTINUED	2	NH			
0037388H	FLUORESCENT BULBS - CRUSHED	H	D009			
0038103H	SULFURIC ACID - SCRUBBER CLEAN	H	D007	D002		
0039307H	WASTE SOLID LEAD	H	D008			
00403191	WASTE TREATMENT SOLIDS	1	NH			
00414091	WASTE INK	1	NH			
0042310H	WASTE CARBON CART. - ROLRMAKNG	H	D001			
0043110H	BUCKET WASHER SLUDGE-PUMPABLE	H	D002			



DEPARTMENT OF THE TREASURY
BUREAU OF ENGRAVING AND PRINTING
FORT WORTH, TEXAS 76131

RECEIVED

99 JUN 24 PM 12:24

HAZARDOUS WASTE ENF BR
TEXAS
June 14, 1999

Ms. Agatha Benjamin
US Environmental Protection Agency
1445 Ross Avenue
Suite 1200, 6EN-HT
Dallas, Texas 75202-2733

REFERENCE: Information Requested During Inspection June 9 and 10, 1998

Dear Ms. Benjamin:

The additional information that we discussed at our meeting with you on May 10, 1999, is enclosed. The following is included:

- Inspection data for the 90-day hazardous waste accumulation area. This includes the environmental technician's log, a summary of all the shipments from this area and a summary of the hazardous waste shipments.
- Training records for 1998.
- Documentation of the worker exposure problem that necessitated moving the SAP for the building operation and maintenance contractor from the point of generation to the chemical storage area in the ink mill.

Please give me a call at (817) 847-3820 if you need anything else or if I have left anything out.

Sincerely,

Colleen McKinney

Colleen McKinney
Chemical Engineer

Hazardous Waste Records

- 1(a). Procedure for damaged drums. If the drum is leaking it is placed in a secondary container until the contents can be pumped out. If the drum is not leaking it is returned to the point of origin to have the contents transferred to an undamaged drum.
- 1(c). Weekly inspection records. Copies of the daily log book are attached. Additionally, a summary of all shipping dates since 1/1/97 and a summary of hazardous waste shipments since 1/1/97.

Daily log book. The environmental technician inspects the 90-day hazardous storage area daily. Any leaking drums or other hazardous waste problems would be documented in this log book. Resolution of the problems would also be documented.

Summary of all shipping dates. The 90-day storage area for hazardous waste is adjacent to the shipping dock. Non-hazardous waste treatment plant sludge and waste ink are also staged in this area for shipment. Waste treatment plant sludge is shipped twice weekly and waste ink is shipped about once every two weeks. This summary shows each shipment made since 1/1/97. This summary documents that in addition to the daily inspections the environmental technician is working in the area twice weekly.

Summary of hazardous waste shipments. Hazardous waste shipments are made about once a month. All hazardous waste that has accumulated is shipped. This summary documents the frequency of hazardous waste shipments.

Manifests for all waste shipments are maintained on file.

SUMMARY OF ALL SHIPPING DATES

6/8/99

WASTE CO.	SHIP DATE	WASTE MATERIAL
00414091	6/8/99	WASTE INK
00403191	6/8/99	WASTE TREATMENT SOLIDS
00403191	6/3/99	WASTE TREATMENT SOLIDS
00403191	6/1/99	WASTE TREATMENT SOLIDS
00403191	5/27/99	WASTE TREATMENT SOLIDS
00403191	5/25/99	WASTE TREATMENT SOLIDS
00403191	5/20/99	WASTE TREATMENT SOLIDS
00403191	5/18/99	WASTE TREATMENT SOLIDS
00403191	5/18/99	WASTE TREATMENT SOLIDS
00403191	5/13/99	WASTE TREATMENT SOLIDS
0008003H	5/6/99	LAB PAKS
00414091	5/6/99	WASTE INK
00403191	5/6/99	WASTE TREATMENT SOLIDS
00403191	5/6/99	WASTE TREATMENT SOLIDS
00403191	5/4/99	WASTE TREATMENT SOLIDS
00403191	4/29/99	WASTE TREATMENT SOLIDS
00403191	4/27/99	WASTE TREATMENT SOLIDS
00403191	4/22/99	WASTE TREATMENT SOLIDS
00403191	4/22/99	WASTE TREATMENT SOLIDS
0031310H	4/20/99	HAZARDOUS DEBRIS
00403191	4/20/99	WASTE TREATMENT SOLIDS
00364032	4/20/99	PVC RESIN
00414091	4/20/99	WASTE INK
0019119H	4/20/99	DE-CHROME LIQUID
00292961	4/20/99	ANTIFREEZE
0022309H	4/20/99	WET LEAD ACID BATTERY
0005319H	4/20/99	ELECTROPLATING SLUDGE
0031310H	4/20/99	HAZARDOUS DEBRIS
00442061	4/20/99	WASTE HYDRAULIC OILS
0003203H	4/20/99	WASTE SOLVENTS
00403191	4/15/99	WASTE TREATMENT SOLIDS
00403191	4/13/99	WASTE TREATMENT SOLIDS
00403191	4/8/99	WASTE TREATMENT SOLIDS
00403191	4/6/99	WASTE TREATMENT SOLIDS
00403191	4/1/99	WASTE TREATMENT SOLIDS
00403191	3/30/99	WASTE TREATMENT SOLIDS
00403191	3/25/99	WASTE TREATMENT SOLIDS
00403191	3/23/99	WASTE TREATMENT SOLIDS
00403191	3/18/99	WASTE TREATMENT SOLIDS
00403191	3/16/99	WASTE TREATMENT SOLIDS
0003203H	3/12/99	WASTE SOLVENTS
0031310H	3/12/99	HAZARDOUS DEBRIS
00292961	3/12/99	ANTIFREEZE
0031310H	3/12/99	HAZARDOUS DEBRIS
0020103H	3/12/99	CHROMIC ACID (LIQUID)
00403191	3/11/99	WASTE TREATMENT SOLIDS
00403191	3/9/99	WASTE TREATMENT SOLIDS

SUMMARY OF ALL SHIPPING DATES

6/8/99

TX WASTE CO	SHIP DATE	WASTE MATERIAL
00414091	3/9/99	WASTE INK
00403191	3/4/99	WASTE TREATMENT SOLIDS
00403191	3/2/99	WASTE TREATMENT SOLIDS
00403191	2/25/99	WASTE TREATMENT SOLIDS
00403191	2/25/99	WASTE TREATMENT SOLIDS
00403191	2/23/99	WASTE TREATMENT SOLIDS
00403191	2/18/99	WASTE TREATMENT SOLIDS
00403191	2/16/99	WASTE TREATMENT SOLIDS
00403191	2/11/99	WASTE TREATMENT SOLIDS
00403191	2/9/99	WASTE TREATMENT SOLIDS
00403191	2/4/99	WASTE TREATMENT SOLIDS
00403191	2/2/99	WASTE TREATMENT SOLIDS
00364032	2/1/99	PVC RESIN
0037388H	1/29/99	FLUORESCENT BULBS - CRUSHED
0031310H	1/29/99	HAZARDOUS DEBRIS
0005319H	1/29/99	ELECTROPLATING SLUDGE
0011309H	1/29/99	WASTE MERCURY DEVICES
0022309H	1/29/99	WET LEAD ACID BATTERY
0043110H	1/29/99	BUCKET WASHER SLUDGE-PUMPABLE
00403191	1/28/99	WASTE TREATMENT SOLIDS
00403191	1/26/99	WASTE TREATMENT SOLIDS
00403191	1/19/99	WASTE TREATMENT SOLIDS
00403191	1/14/99	WASTE TREATMENT SOLIDS
00403191	1/12/99	WASTE TREATMENT SOLIDS
00403191	1/7/99	WASTE TREATMENT SOLIDS
00403191	1/5/99	WASTE TREATMENT SOLIDS
00403191	12/22/98	WASTE TREATMENT SOLIDS
0009119H	12/21/98	PLATING LIQUID
0031310H	12/21/98	HAZARDOUS DEBRIS
0002209H	12/21/98	WASTE OIL
0003203H	12/21/98	WASTE SOLVENTS
0005319H	12/21/98	ELECTROPLATING SLUDGE
00403191	12/17/98	WASTE TREATMENT SOLIDS
00414091	12/15/98	WASTE INK
00403191	12/15/98	WASTE TREATMENT SOLIDS
00403191	12/10/98	WASTE TREATMENT SOLIDS
00403191	12/8/98	WASTE TREATMENT SOLIDS
0011309H	12/1/98	WASTE MERCURY DEVICES
0031310H	12/1/98	HAZARDOUS DEBRIS
0022309H	12/1/98	WET LEAD ACID BATTERY
0002209H	12/1/98	WASTE OIL
00403191	12/1/98	WASTE TREATMENT SOLIDS
0009119H	12/1/98	PLATING LIQUID
00403191	11/27/98	WASTE TREATMENT SOLIDS
00403191	11/24/98	WASTE TREATMENT SOLIDS
00403191	11/19/98	WASTE TREATMENT SOLIDS
00403191	11/17/98	WASTE TREATMENT SOLIDS

SUMMARY OF ALL SHIPPING DATES

6/8/99

TX WASTE CO	SHIP DATE	WASTE MATERIAL
0019119H	11/16/98	DE-CHROME LIQUID
0003203H	11/16/98	WASTE SOLVENTS
0037388H	11/16/98	FLUORESCENT BULBS - CRUSHED
0031310H	11/16/98	HAZARDOUS DEBRIS
0005319H	11/16/98	ELECTROPLATING SLUDGE
0002209H	11/16/98	WASTE OIL
0043110H	11/16/98	BUCKET WASHER SLUDGE-PUMPABLE
00403191	11/12/98	WASTE TREATMENT SOLIDS
00403191	11/10/98	WASTE TREATMENT SOLIDS
00403191	11/5/98	WASTE TREATMENT SOLIDS
00414091	11/3/98	WASTE INK
00403191	10/29/98	WASTE TREATMENT SOLIDS
00403191	10/27/98	WASTE TREATMENT SOLIDS
00403191	10/22/98	WASTE TREATMENT SOLIDS
00403191	10/20/98	WASTE TREATMENT SOLIDS
00403191	10/17/98	WASTE TREATMENT SOLIDS
00403191	10/15/98	WASTE TREATMENT SOLIDS
00403191	10/13/98	WASTE TREATMENT SOLIDS
0019119H	10/9/98	DE-CHROME LIQUID
0022309H	10/9/98	WET LEAD ACID BATTERY
0003203H	10/9/98	WASTE SOLVENTS
0011309H	10/9/98	WASTE MERCURY DEVICES
0019119H	10/9/98	DE-CHROME LIQUID
0031310H	10/9/98	HAZARDOUS DEBRIS
0043110H	10/9/98	BUCKET WASHER SLUDGE-PUMPABLE
00403191	10/8/98	WASTE TREATMENT SOLIDS
00403191	10/6/98	WASTE TREATMENT SOLIDS
00414091	10/1/98	WASTE INK
00403191	10/1/98	WASTE TREATMENT SOLIDS
00403191	9/29/98	WASTE TREATMENT SOLIDS
00403191	9/24/98	WASTE TREATMENT SOLIDS
00403191	9/22/98	WASTE TREATMENT SOLIDS
00403191	9/17/98	WASTE TREATMENT SOLIDS
00403191	9/15/98	WASTE TREATMENT SOLIDS
00403191	9/8/98	WASTE TREATMENT SOLIDS
0009119H	9/3/98	PLATING LIQUID
00403191	9/3/98	WASTE TREATMENT SOLIDS
00403191	9/1/98	WASTE TREATMENT SOLIDS
00414091	8/27/98	WASTE INK
00403191	8/27/98	WASTE TREATMENT SOLIDS
00403191	8/25/98	WASTE TREATMENT SOLIDS
0002209H	8/21/98	WASTE OIL
0011309H	8/21/98	WASTE MERCURY DEVICES
0031310H	8/21/98	HAZARDOUS DEBRIS
0009119H	8/21/98	PLATING LIQUID
0005319H	8/21/98	ELECTROPLATING SLUDGE
0003203H	8/21/98	WASTE SOLVENTS

SUMMARY OF ALL SHIPPING DATES

6/8/99

TX WASTE CO	SHIP DATE	WASTE MATERIAL
0005319H	8/21/98	ELECTROPLATING SLUDGE
00403191	8/20/98	WASTE TREATMENT SOLIDS
00403191	8/18/98	WASTE TREATMENT SOLIDS
00403191	8/13/98	WASTE TREATMENT SOLIDS
00403191	8/11/98	WASTE TREATMENT SOLIDS
00403191	8/6/98	WASTE TREATMENT SOLIDS
00403191	8/4/98	WASTE TREATMENT SOLIDS
00403191	7/28/98	WASTE TREATMENT SOLIDS
00414091	7/27/98	WASTE INK
00403191	7/23/98	WASTE TREATMENT SOLIDS
00403191	7/21/98	WASTE TREATMENT SOLIDS
00403191	7/16/98	WASTE TREATMENT SOLIDS
00403191	7/14/98	WASTE TREATMENT SOLIDS
00403191	7/9/98	WASTE TREATMENT SOLIDS
00403191	7/2/98	WASTE TREATMENT SOLIDS
0003203H	6/30/98	WASTE SOLVENTS
0043110H	6/30/98	BUCKET WASHER SLUDGE-PUMPABLE
0022309H	6/30/98	WET LEAD ACID BATTERY
0002209H	6/30/98	WASTE OIL
0005319H	6/30/98	ELECTROPLATING SLUDGE
0031310H	6/30/98	HAZARDOUS DEBRIS
00403191	6/30/98	WASTE TREATMENT SOLIDS
00403191	6/25/98	WASTE TREATMENT SOLIDS
00414091	6/24/98	WASTE INK
00403191	6/23/98	WASTE TREATMENT SOLIDS
00403191	6/18/98	WASTE TREATMENT SOLIDS
00403191	6/16/98	WASTE TREATMENT SOLIDS
00403191	6/9/98	WASTE TREATMENT SOLIDS
00403191	6/2/98	WASTE TREATMENT SOLIDS
00403191	5/28/98	WASTE TREATMENT SOLIDS
00403191	5/26/98	WASTE TREATMENT SOLIDS
00403191	5/19/98	WASTE TREATMENT SOLIDS
00414091	5/19/98	WASTE INK
00403191	5/12/98	WASTE TREATMENT SOLIDS
00403191	5/5/98	WASTE TREATMENT SOLIDS
00403191	4/28/98	WASTE TREATMENT SOLIDS
00403191	4/24/98	WASTE TREATMENT SOLIDS
00403191	4/23/98	WASTE TREATMENT SOLIDS
00403191	4/16/98	WASTE TREATMENT SOLIDS
00403191	4/14/98	WASTE TREATMENT SOLIDS
00403191	4/9/98	WASTE TREATMENT SOLIDS
00414091	4/8/98	WASTE INK
00403191	4/7/98	WASTE TREATMENT SOLIDS
0002209H	4/1/98	WASTE OIL
0003203H	4/1/98	WASTE SOLVENTS
0043110H	4/1/98	BUCKET WASHER SLUDGE-PUMPABLE
0022309H	4/1/98	WET LEAD ACID BATTERY

SUMMARY OF ALL SHIPPING DATES

6/8/99

TX WASTE CO	SHIP DATE	WASTE MATERIAL
0019119H	4/1/98	DE-CHROME LIQUID
0031310H	4/1/98	HAZARDOUS DEBRIS
00403191	3/31/98	WASTE TREATMENT SOLIDS
00414091	3/26/98	WASTE INK
00403191	3/26/98	WASTE TREATMENT SOLIDS
00403191	3/24/98	WASTE TREATMENT SOLIDS
00403191	3/19/98	WASTE TREATMENT SOLIDS
00403191	3/17/98	WASTE TREATMENT SOLIDS
00403191	3/9/98	WASTE TREATMENT SOLIDS
00403191	3/5/98	WASTE TREATMENT SOLIDS
00403191	3/3/98	WASTE TREATMENT SOLIDS
00403191	2/27/98	WASTE TREATMENT SOLIDS
00414091	2/27/98	WASTE INK
00403191	2/26/98	WASTE TREATMENT SOLIDS
00414091	2/26/98	WASTE INK
00414091	2/24/98	WASTE INK
00403191	2/24/98	WASTE TREATMENT SOLIDS
00403191	2/19/98	WASTE TREATMENT SOLIDS
00414091	2/17/98	WASTE INK
00403191	2/17/98	WASTE TREATMENT SOLIDS
00403191	2/12/98	WASTE TREATMENT SOLIDS
00414091	2/12/98	WASTE INK
00403191	2/11/98	WASTE TREATMENT SOLIDS
00403191	2/10/98	WASTE TREATMENT SOLIDS
00414091	2/5/98	WASTE INK
00403191	2/5/98	WASTE TREATMENT SOLIDS
00403191	2/3/98	WASTE TREATMENT SOLIDS
00414091	2/3/98	WASTE INK
00403191	1/29/98	WASTE TREATMENT SOLIDS
00414091	1/27/98	WASTE INK
00403191	1/27/98	WASTE TREATMENT SOLIDS
00403191	1/22/98	WASTE TREATMENT SOLIDS
00414091	1/22/98	WASTE INK
00414091	1/20/98	WASTE INK
00403191	1/20/98	WASTE TREATMENT SOLIDS
0031310H	1/15/98	HAZARDOUS DEBRIS
0002209H	1/15/98	WASTE OIL
00403191	1/15/98	WASTE TREATMENT SOLIDS
0022309H	1/15/98	WET LEAD ACID BATTERY
0037388H	1/15/98	FLUORESCENT BULBS - CRUSHED
0011309H	1/15/98	WASTE MERCURY DEVICES
0004110H	1/15/98	WASTE CAUSTIC
0031310H	1/15/98	HAZARDOUS DEBRIS
0005319H	1/15/98	ELECTROPLATING SLUDGE
0003203H	1/15/98	WASTE SOLVENTS
00414091	1/13/98	WASTE INK
00403191	1/13/98	WASTE TREATMENT SOLIDS

SUMMARY OF ALL SHIPPING DATES

6/8/99

TX WASTE CO	SHIP DATE	WASTE MATERIAL
00403191	1/8/98	WASTE TREATMENT SOLIDS
00414091	1/8/98	WASTE INK
00414091	1/6/98	WASTE INK
00403191	1/6/98	WASTE TREATMENT SOLIDS
00403191	1/5/98	WASTE TREATMENT SOLIDS
00403191	12/18/97	WASTE TREATMENT SOLIDS
00414091	12/15/97	WASTE INK
00403191	12/15/97	WASTE TREATMENT SOLIDS
00414091	12/11/97	WASTE INK
00403191	12/11/97	WASTE TREATMENT SOLIDS
00414091	12/9/97	WASTE INK
00403191	12/9/97	WASTE TREATMENT SOLIDS
00403191	12/4/97	WASTE TREATMENT SOLIDS
00414091	12/2/97	WASTE INK
00403191	12/2/97	WASTE TREATMENT SOLIDS
00414091	11/20/97	WASTE INK
00403191	11/20/97	WASTE TREATMENT SOLIDS
00403191	11/18/97	WASTE TREATMENT SOLIDS
00414091	11/18/97	WASTE INK
0031310H	11/13/97	HAZARDOUS DEBRIS
00414091	11/13/97	WASTE INK
00403191	11/13/97	WASTE TREATMENT SOLIDS
0003203H	11/13/97	WASTE SOLVENTS
0002209H	11/13/97	WASTE OIL
0031310H	11/13/97	HAZARDOUS DEBRIS
0004110H	11/13/97	WASTE CAUSTIC
0018110H	11/13/97	PRINTING PRESS RINSE(DRUMS)
00153101	11/13/97	DRAINED OIL FILTERS
00403191	11/12/97	WASTE TREATMENT SOLIDS
00414091	11/12/97	WASTE INK
00403191	11/6/97	WASTE TREATMENT SOLIDS
00403191	11/4/97	WASTE TREATMENT SOLIDS
00414091	11/4/97	WASTE INK
00403191	10/30/97	WASTE TREATMENT SOLIDS
00414091	10/30/97	WASTE INK
00414091	10/28/97	WASTE INK
00403191	10/28/97	WASTE TREATMENT SOLIDS
00403191	10/21/97	WASTE TREATMENT SOLIDS
00414091	10/21/97	WASTE INK
00403191	10/16/97	WASTE TREATMENT SOLIDS
00414091	10/14/97	WASTE INK
00403191	10/14/97	WASTE TREATMENT SOLIDS
00403191	10/9/97	WASTE TREATMENT SOLIDS
00414091	10/7/97	WASTE INK
00403191	10/7/97	WASTE TREATMENT SOLIDS
00403191	10/2/97	WASTE TREATMENT SOLIDS
00403191	9/30/97	WASTE TREATMENT SOLIDS

SUMMARY OF ALL SHIPPING DATES

6/8/99

TX WASTE CO	SHIP DATE	WASTE MATERIAL
00414091	9/30/97	WASTE INK
00403191	9/23/97	WASTE TREATMENT SOLIDS
00414091	9/23/97	WASTE INK
0031310H	9/18/97	HAZARDOUS DEBRIS
0019119H	9/18/97	DE-CHROME LIQUID
0011309H	9/18/97	WASTE MERCURY DEVICES
0005319H	9/18/97	ELECTROPLATING SLUDGE
0003203H	9/18/97	WASTE SOLVENTS
0002209H	9/18/97	WASTE OIL
0013310H	9/18/97	CARBON FILTERS
0031310H	9/18/97	HAZARDOUS DEBRIS
00414091	9/18/97	WASTE INK
00403191	9/18/97	WASTE TREATMENT SOLIDS
0020103H	9/18/97	CHROMIC ACID (LIQUID)
00403191	9/16/97	WASTE TREATMENT SOLIDS
00414091	9/9/97	WASTE INK
00403191	9/9/97	WASTE TREATMENT SOLIDS
00414091	9/4/97	WASTE INK
00403191	9/4/97	WASTE TREATMENT SOLIDS
00414091	9/2/97	WASTE INK
00403191	9/2/97	WASTE TREATMENT SOLIDS
00403191	8/28/97	WASTE TREATMENT SOLIDS
00414091	8/28/97	WASTE INK
00403191	8/26/97	WASTE TREATMENT SOLIDS
00414091	8/26/97	WASTE INK
00403191	8/22/97	WASTE TREATMENT SOLIDS
00403191	8/21/97	WASTE TREATMENT SOLIDS
00403191	8/19/97	WASTE TREATMENT SOLIDS
00414091	8/18/97	WASTE INK
00403191	8/14/97	WASTE TREATMENT SOLIDS
00414091	8/14/97	WASTE INK
00403191	8/12/97	WASTE TREATMENT SOLIDS
00414091	8/12/97	WASTE INK
00403191	8/7/97	WASTE TREATMENT SOLIDS
00403191	8/5/97	WASTE TREATMENT SOLIDS
00414091	8/5/97	WASTE INK
00414091	8/1/97	WASTE INK
00403191	8/1/97	WASTE TREATMENT SOLIDS
00403191	7/31/97	WASTE TREATMENT SOLIDS
00403191	7/29/97	WASTE TREATMENT SOLIDS
00414091	7/25/97	WASTE INK
00403191	7/25/97	WASTE TREATMENT SOLIDS
00414091	7/22/97	WASTE INK
00403191	7/22/97	WASTE TREATMENT SOLIDS
00403191	7/17/97	WASTE TREATMENT SOLIDS
0013310H	7/17/97	CARBON FILTERS
0022309H	7/17/97	WET LEAD ACID BATTERY

SUMMARY OF ALL SHIPPING DATES

6/8/99

WASTE CO.	SHIP DATE	WASTE MATERIAL
0003203H	7/17/97	WASTE SOLVENTS
0005319H	7/17/97	ELECTROPLATING SLUDGE
0031310H	7/17/97	HAZARDOUS DEBRIS
0002209H	7/17/97	WASTE OIL
0004110H	7/17/97	WASTE CAUSTIC
00414091	7/15/97	WASTE INK
00403191	7/15/97	WASTE TREATMENT SOLIDS
00414091	7/8/97	WASTE INK
00403191	7/8/97	WASTE TREATMENT SOLIDS
00403191	7/3/97	WASTE TREATMENT SOLIDS
00414091	7/3/97	WASTE INK
00403191	7/2/97	WASTE TREATMENT SOLIDS
00414091	7/2/97	WASTE INK
00403191	7/1/97	WASTE TREATMENT SOLIDS
00403191	6/26/97	WASTE TREATMENT SOLIDS
00414091	6/24/97	WASTE INK
00403191	6/24/97	WASTE TREATMENT SOLIDS
00403191	6/19/97	WASTE TREATMENT SOLIDS
00414091	6/17/97	WASTE INK
00403191	6/17/97	WASTE TREATMENT SOLIDS
00414091	6/12/97	WASTE INK
00403191	6/12/97	WASTE TREATMENT SOLIDS
00403191	6/10/97	WASTE TREATMENT SOLIDS
00414091	6/10/97	WASTE INK
00403191	6/5/97	WASTE TREATMENT SOLIDS
00414091	6/5/97	WASTE INK
00414091	6/3/97	WASTE INK
00403191	6/3/97	WASTE TREATMENT SOLIDS
00414091	5/30/97	WASTE INK
00403191	5/30/97	WASTE TREATMENT SOLIDS
00414091	5/27/97	WASTE INK
00403191	5/27/97	WASTE TREATMENT SOLIDS
00403191	5/23/97	WASTE TREATMENT SOLIDS
00414091	5/23/97	WASTE INK
00403191	5/22/97	WASTE TREATMENT SOLIDS
00403191	5/20/97	WASTE TREATMENT SOLIDS
00414091	5/15/97	WASTE INK
00403191	5/15/97	WASTE TREATMENT SOLIDS
00403191	5/13/97	WASTE TREATMENT SOLIDS
00414091	5/13/97	WASTE INK
00414091	5/8/97	WASTE INK
00403191	5/8/97	WASTE TREATMENT SOLIDS
00414091	5/6/97	WASTE INK
00403191	5/6/97	WASTE TREATMENT SOLIDS
00414091	5/2/97	WASTE INK
00403191	5/2/97	WASTE TREATMENT SOLIDS
00414091	4/29/97	WASTE INK

SUMMARY OF ALL SHIPPING DATES

6/8/99

TX WASTE CO	SHIP DATE	WASTE MATERIAL
00403191	4/29/97	WASTE TREATMENT SOLIDS
00403191	4/25/97	WASTE TREATMENT SOLIDS
00403191	4/23/97	WASTE TREATMENT SOLIDS
00414091	4/23/97	WASTE INK
00403191	4/21/97	WASTE TREATMENT SOLIDS
0002209H	4/17/97	WASTE OIL
0031310H	4/17/97	HAZARDOUS DEBRIS
00403191	4/17/97	WASTE TREATMENT SOLIDS
00414091	4/17/97	WASTE INK
0011309H	4/17/97	WASTE MERCURY DEVICES
0003203H	4/17/97	WASTE SOLVENTS
0008003H	4/17/97	LAB PAKS
00153101	4/17/97	DRAINED OIL FILTERS
0005319H	4/17/97	ELECTROPLATING SLUDGE
00414091	4/15/97	WASTE INK
00403191	4/15/97	WASTE TREATMENT SOLIDS
00403191	4/10/97	WASTE TREATMENT SOLIDS
00414091	4/10/97	WASTE INK
00403191	4/9/97	WASTE TREATMENT SOLIDS
00414091	4/9/97	WASTE INK
00403191	4/8/97	WASTE TREATMENT SOLIDS
00414091	4/8/97	WASTE INK
00414091	4/3/97	WASTE INK
00403191	4/3/97	WASTE TREATMENT SOLIDS
00403191	4/1/97	WASTE TREATMENT SOLIDS
00414091	4/1/97	WASTE INK
00403191	3/25/97	WASTE TREATMENT SOLIDS
00414091	3/25/97	WASTE INK
00403191	3/21/97	WASTE TREATMENT SOLIDS
00414091	3/21/97	WASTE INK
00403191	3/18/97	WASTE TREATMENT SOLIDS
00414091	3/18/97	WASTE INK
00403191	3/14/97	WASTE TREATMENT SOLIDS
00414091	3/11/97	WASTE INK
00403191	3/11/97	WASTE TREATMENT SOLIDS
0005319H	3/6/97	ELECTROPLATING SLUDGE
0003203H	3/6/97	WASTE SOLVENTS
0002209H	3/6/97	WASTE OIL
00403191	3/6/97	WASTE TREATMENT SOLIDS
00414091	3/6/97	WASTE INK
00233091	3/6/97	DRY ALKALINE BATTERY
0031310H	3/6/97	HAZARDOUS DEBRIS
0009119H	3/6/97	PLATING LIQUID
0031310H	3/6/97	HAZARDOUS DEBRIS
00403191	3/4/97	WASTE TREATMENT SOLIDS
00414091	3/4/97	WASTE INK
00403191	2/27/97	WASTE TREATMENT SOLIDS

SUMMARY OF ALL SHIPPING DATES

6/8/99

TX WASTE CO	SHIP DATE	WASTE MATERIAL
00414091	2/27/97	WASTE INK
00403191	2/25/97	WASTE TREATMENT SOLIDS
00403191	2/18/97	WASTE TREATMENT SOLIDS
00403191	2/14/97	WASTE TREATMENT SOLIDS
00414091	2/14/97	WASTE INK
00403191	2/10/97	WASTE TREATMENT SOLIDS
00414091	2/10/97	WASTE INK
00403191	2/6/97	WASTE TREATMENT SOLIDS
00414091	2/6/97	WASTE INK
00414091	2/4/97	WASTE INK
00403191	2/4/97	WASTE TREATMENT SOLIDS
00403191	1/31/97	WASTE TREATMENT SOLIDS
00414091	1/31/97	WASTE INK
00414091	1/28/97	WASTE INK
00403191	1/28/97	WASTE TREATMENT SOLIDS
00403191	1/21/97	WASTE TREATMENT SOLIDS
00414091	1/21/97	WASTE INK
00414091	1/17/97	WASTE INK
00403191	1/17/97	WASTE TREATMENT SOLIDS
00403191	1/16/97	WASTE TREATMENT SOLIDS
00414091	1/16/97	WASTE INK
00414091	1/13/97	WASTE INK
0009119H	1/13/97	PLATING LIQUID
0002209H	1/13/97	WASTE OIL
0005319H	1/13/97	ELECTROPLATING SLUDGE
00403191	1/13/97	WASTE TREATMENT SOLIDS
0010301H	1/13/97	DIRT/OIL CLEANUP
0037388H	1/13/97	FLUORESCENT BULBS - CRUSHED
0031310H	1/13/97	HAZARDOUS DEBRIS
0022309H	1/13/97	WET LEAD ACID BATTERY
00403191	1/8/97	WASTE TREATMENT SOLIDS
00414091	1/8/97	WASTE INK
00403191	1/7/97	WASTE TREATMENT SOLIDS
00414091	1/7/97	WASTE INK

SUMMARY OF HAZARDOUS WASTE SHIPMENTS

6/7/99

WASTE CODE	WASTE MATERIAL	MANIFEST NO.	SHIP DATE	NO. OF CONTAINERS	QUANTITY
0008003H	LAB PAKS	7689610	5/6/99	10	682
0031310H	HAZARDOUS DEBRIS	7874064	4/20/99	2	400
0005319H	ELECTROPLATING SLUDGE	7874063	4/20/99	3	1500
0031310H	HAZARDOUS DEBRIS	7874063	4/20/99	7	2450
0022309H	WET LEAD ACID BATTERY	7874063	4/20/99	1	400
0003203H	WASTE SOLVENTS	7874063	4/20/99	5	2500
0019119H	DE-CHROME LIQUID	01893586	4/20/99	5	2500
0031310H	HAZARDOUS DEBRIS	7874041	3/12/99	8	3500
0020103H	CHROMIC ACID (LIQUID)	01893511	3/12/99	3	1500
0031310H	HAZARDOUS DEBRIS	7874041	3/12/99	6	3500
0003203H	WASTE SOLVENTS	7874041	3/12/99	3	1500
0011309H	WASTE MERCURY DEVICES	7874007	1/29/99	7	1400
0037388H	FLUORESCENT BULBS - CRUSHED	01939360	1/29/99	3	1500
0022309H	WET LEAD ACID BATTERY	7874007	1/29/99	1	400
0005319H	ELECTROPLATING SLUDGE	7874007	1/29/99	7	420
0031310H	HAZARDOUS DEBRIS	7874008	1/29/99	9	3600
0043110H	BUCKET WASHER SLUDGE-PUMPABLE	01939360	1/29/99	8	4800
0009119H	PLATING LIQUID	7311975	12/21/98	17	8500
0002209H	WASTE OIL	7311975	12/21/98	3	1200
0005319H	ELECTROPLATING SLUDGE	7311974	12/21/98	4	2000
0031310H	HAZARDOUS DEBRIS	7311974	12/21/98	4	800
0003203H	WASTE SOLVENTS	7311974	12/21/98	4	2000
0009119H	PLATING LIQUID	7311947	12/1/98	9	4500
0031310H	HAZARDOUS DEBRIS	7311947	12/1/98	4	400
0011309H	WASTE MERCURY DEVICES	7311947	12/1/98	3	350
0022309H	WET LEAD ACID BATTERY	7311947	12/1/98	1	400
0002209H	WASTE OIL	7311948	12/1/98	4	2000
0031310H	HAZARDOUS DEBRIS	01851670	11/16/98	7	1450
0037388H	FLUORESCENT BULBS - CRUSHED	01851670	11/16/98	2	650
0043110H	BUCKET WASHER SLUDGE-PUMPABLE	01851669	11/16/98	5	2000
0002209H	WASTE OIL	01851671	11/16/98	16	6400
0003203H	WASTE SOLVENTS	01851669	11/16/98	2	800
0005319H	ELECTROPLATING SLUDGE	01851670	11/16/98	4	2000

SUMMARY OF HAZARDOUS WASTE SHIPMENTS

HAZARDOUS WASTE ID	HAZARDOUS WASTE DESCRIPTION	HAZARDOUS WASTE CODE	SHIP DATE	NO. OF QUANTA	QUANTITY
0019119H	DE-CHROME LIQUID	01851669	11/16/98	1	400
0043110H	BUCKET WASHER SLUDGE-PUMPABLE	01964746	10/9/98	1	500
0031310H	HAZARDOUS DEBRIS	01964747	10/9/98	11	1300
0003203H	WASTE SOLVENTS	01964746	10/9/98	4	2000
0019119H	DE-CHROME LIQUID	01964746	10/9/98	3	1500
0019119H	DE-CHROME LIQUID	01964747	10/9/98	1	250
0011309H	WASTE MERCURY DEVICES	01964746	10/9/98	1	100
0022309H	WET LEAD ACID BATTERY	7311909	10/9/98	1	400
0009119H	PLATING LIQUID	01964616	9/3/98	16	6400
0031310H	HAZARDOUS DEBRIS	01444793	8/21/98	10	8000
0009119H	PLATING LIQUID	01444793	8/21/98	1	400
0005319H	ELECTROPLATING SLUDGE	01444793	8/21/98	1	200
0005319H	ELECTROPLATING SLUDGE	01444792	8/21/98	4	2400
0011309H	WASTE MERCURY DEVICES	01444792	8/21/98	3	1000
0002209H	WASTE OIL	01444792	8/21/98	7	3000
0003203H	WASTE SOLVENTS	01444792	8/21/98	7	2800
0002209H	WASTE OIL	01444706	6/30/98	11	4400
0003203H	WASTE SOLVENTS	01444706	6/30/98	6	3000
0005319H	ELECTROPLATING SLUDGE	01444706	6/30/98	19	10450
0022309H	WET LEAD ACID BATTERY	7311901	6/30/98	2	800
0043110H	BUCKET WASHER SLUDGE-PUMPABLE	01444706	6/30/98	4	2000
0031310H	HAZARDOUS DEBRIS	01444707	6/30/98	9	1800
0019119H	DE-CHROME LIQUID	01514873	4/1/98	15	7500
0022309H	WET LEAD ACID BATTERY	7311878	4/1/98	2	400
0031310H	HAZARDOUS DEBRIS	01514873	4/1/98	15	3750
0043110H	BUCKET WASHER SLUDGE-PUMPABLE	01514872	4/1/98	8	4400
0003203H	WASTE SOLVENTS	01514872	4/1/98	6	2400
0002209H	WASTE OIL	01514872	4/1/98	9	2700
0011309H	WASTE MERCURY DEVICES	01131621	1/15/98	1	150
0002209H	WASTE OIL	01131619	1/15/98	2	700
0003203H	WASTE SOLVENTS	01131619	1/15/98	2	600
0005319H	ELECTROPLATING SLUDGE	01131619	1/15/98	2	800
0004110H	WASTE CAUSTIC	01131621	1/15/98	11	4400

SUMMARY OF HAZARDOUS WASTE SHIPMENTS

HAZARDOUS WASTE NO.	HAZARDOUS MATERIAL	WASTE NO.	SHIP DATE	NO. OF CONTAINERS	QUANTITY
0037388H	FLUORESCENT BULBS - CRUSHED	01131622	1/15/98	1	600
0022309H	WET LEAD ACID BATTERY	01131622	1/15/98	1	300
0031310H	HAZARDOUS DEBRIS	01131621	1/15/98	3	300
0031310H	HAZARDOUS DEBRIS	01131619	1/15/98	3	1000
0031310H	HAZARDOUS DEBRIS	01131617	11/13/97	3	400
0018110H	PRINTING PRESS RINSE(DRUMS)	01131618	11/13/97	1	350
0004110H	WASTE CAUSTIC	01131618	11/13/97	1	350
0031310H	HAZARDOUS DEBRIS	01131617	11/13/97	3	700
0002209H	WASTE OIL	01131617	11/13/97	17	5100
0003203H	WASTE SOLVENTS	01131617	11/13/97	7	2100
0005319H	ELECTROPLATING SLUDGE	01131614	9/18/97	1	200
0031310H	HAZARDOUS DEBRIS	01131615	9/18/97	4	1600
0003203H	WASTE SOLVENTS	01131614	9/18/97	3	900
0031310H	HAZARDOUS DEBRIS	01131615	9/18/97	1	350
0019119H	DE-CHROME LIQUID	01131615	9/18/97	5	1000
0020103H	CHROMIC ACID (LIQUID)	01131615	9/18/97	5	1800
0013310H	CARBON FILTERS	01131616	9/18/97	2	400
0002209H	WASTE OIL	01131614	9/18/97	4	1200
0011309H	WASTE MERCURY DEVICES	01131615	9/18/97	1	350
0031310H	HAZARDOUS DEBRIS	01131612	7/17/97	4	1000
0005319H	ELECTROPLATING SLUDGE	01131612	7/17/97	4	1000
0003203H	WASTE SOLVENTS	01131612	7/17/97	3	900
0022309H	WET LEAD ACID BATTERY	01131612	7/17/97	1	400
0004110H	WASTE CAUSTIC	01131612	7/17/97	11	3850
0013310H	CARBON FILTERS	01131612	7/17/97	3	600
0002209H	WASTE OIL	01131612	7/17/97	5	1500
0011309H	WASTE MERCURY DEVICES	01131611	4/17/97	2	1000
0002209H	WASTE OIL	01131610	4/17/97	8	4000
0031310H	HAZARDOUS DEBRIS	01131610	4/17/97	5	2000
0005319H	ELECTROPLATING SLUDGE	01131610	4/17/97	3	1500
0008003H	LAB PAKS	01131611	4/17/97	2	600
0003203H	WASTE SOLVENTS	01131611	4/17/97	5	2000
0003203H	WASTE SOLVENTS	01131608	3/6/97	2	800

SUMMARY OF HAZARDOUS WASTE SHIPMENTS

6/7/99

HAZARDOUS WASTE CODE	HAZARDOUS MATERIAL	MANIFEST NO.	SHIP DATE	NO. OF CONTAINERS	QUANTITY
0009119H	PLATING LIQUID	01131609	3/6/97	2	1000
0031310H	HAZARDOUS DEBRIS	01131608	3/6/97	1	300
0031310H	HAZARDOUS DEBRIS	01131609	3/6/97	6	7500
0002209H	WASTE OIL	01131609	3/6/97	3	1400
0005319H	ELECTROPLATING SLUDGE	01131609	3/6/97	5	2500
0022309H	WET LEAD ACID BATTERY	01131607	1/13/97	1	250
0031310H	HAZARDOUS DEBRIS	01131606	1/13/97	1	75
0037388H	FLUORESCENT BULBS - CRUSHED	01131607	1/13/97	1	350
0005319H	ELECTROPLATING SLUDGE	01131606	1/13/97	1	700
0009119H	PLATING LIQUID	01131606	1/13/97	28	14000
0010301H	DIRT/OIL CLEANUP	01131607	1/13/97	1	450
0002209H	WASTE OIL	01131606	1/13/97	5	2500

DAILY
HAZ
WASTE
RECORD

7530-00-286-8363
FEDERAL SUPPLY SERVICE

Thursday April 2-98

Inspected area No Haz Waste Problems
WT = 17 Prod = 11

Friday April 3-98

Inspected area No Haz Waste Problems
WT = 24 Prod = 13

Monday April 6-98

Inspected area No Haz Waste Problems
WT = 23 Prod = 13

Tuesday April 7-98

Inspected area No Haz Waste Problems
WT = 33 Prod = 13

X Non Reg ship to O.K.C. 56 Drums W.T.S.

Wednesday April 8-98

Inspected area No Haz Waste Problems
WT = 21 Prod = 14

X Non Reg ship to LA. 56 Drums Prod.

Thursday April 9-98

Inspected area No Haz Waste Problems
WT = 24 Prod = 01

X Non Reg ship to O.K.C. WT = 56 Drums

Friday April 10-98

Inspected area No Haz Waste Problems
WT = 15 Prod = 03

Monday April 13-98

Inspected area No Haz Waste Problems
WT = 27 Prod = 05

Tuesday April 14-98

Inspected area No Haz Waste Problems
WT = 30 Prod = 06

X Non Reg Ship to O.K.C. WT = 56 Drums

Wednesday April 15-98

Inspected area No Haz Waste Problems
WT = 20 Prod = 06

Thursday April 16-98

Inspected area No Haz Waste Problems
WT = 7 Prod = 08

X Non Reg Ship to O.K.C. WT = 56 Drums

Friday April 17-98

Inspected area No Haz Waste Problems
WT = 17 Prod = 09

Monday April 20-98

Inspected area No Haz Waste Problems
WT = 17 Prod = 09

Tuesday April 21-98

Inspected area No Haz Waste Problems
WT = 26 Prod = 11

Wednesday April 22-98

Inspected area No Haz Waste Problems
WT = 26 Prod = 11

Thursday April 23-98

Inspected area No Haz Waste Problems

WT=04 Prod=12

X Non Reg Ship = O.K. WT=56 Drums

Friday April 24-98

Inspected area No Haz Waste Problems

WT=04 Prod=12

X Non Reg Ship to O.K.C. WT=56 Drums

Monday April 27-98

Inspected area No Haz Waste Problems

WT=14 Prod=09

Tuesday April 28-98

Inspected area No Haz Waste Problems

WT=03 Prod=09

X Non Reg Ship to O.K.C. WT=56 Drums

Wednesday April 29-98

Inspected area No Haz Waste Problems

WT=06 Prod=12

Thursday April 30

Inspected area No Haz Waste Problems

WT=08 Prod=14

Friday ~~Apr~~ May 1-98

Inspected area No Haz Waste Problems

WT=16 Prod=15

Monday May 4-98

Inspected area No Haz Waste Problems
WT= Prod=

Tuesday May 5-98

Inspected area No Haz Waste Problems
WT=23 Prod=14

X Non Reg ship to O.K.C. WT=80 Drums
Wednesday May 6-98

Inspected area No Haz Waste Problems
WT=05 Prod=~~05~~ 14

Thursday May 7-98

Inspected area No Haz Waste Problems
WT= Prod=

Friday May 8-98

Inspected area No Haz Waste Problems
WT=10 Prod=18

Monday May 11-98

Inspected area No Haz Waste Problems
WT=17 Prod=19

Tuesday May 12-98

Inspected area No Haz Waste Problems
WT=18 Prod=20

X Non Reg ships to O.K.C. WT=64 Drums

Wednesday May 13-98

Inspected area No Haz Waste Problems
WT=08 Prod=20

Thursday May 14-98

Inspected areas No Haz Waste Problems
WT = 14 Prod = 22

Friday May 15-98

Inspected area No Haz Waste Problems
WT = 18 Prod = 22

Monday May 18-98

Inspected area No Haz Waste Problems
WT = 20 Prod = 24

Tuesday May 19-98

Inspected area No Haz Waste Problems
WT = 21 Prod = 25

X Non Reg ship to O.K.C. WT = 64 Drums
X Non Reg ship to Lake Charles Prod = 80 Drums

Wednesday May 20-98

Inspected area No Haz Waste Problems
WT = 5 Prod = 5

Thursday May 21-98

Inspected area No Haz Waste Problems
WT = 18 Prod = 05

Friday May 22-98

Inspected area No Haz Waste Problems
WT = 22 Prod = 06

Monday May 25-98

off

Tuesday May 26-98

Inspected area No Haz Waste Problems

WT=22 Prod=06

X Non Reg ship to O.K.C. WT=64 Drums

Wednesday May 27-98

Inspected area No Haz Waste Problems

WT=16 Prod=07

Thursday May 28-98

Inspected area No Haz Waste Problems

WT=16 Prod=07

X Non Reg ship to O.K.C. WT=64 Drums

Friday May 29-98

Inspected area No Haz Waste Problems

WT=00 Prod=07

Monday June 1-98

Inspected area No Haz Waste Problems

WT=21 Prod=08

Tuesday June 2-98

Inspected area No Haz Waste Problems

WT=5 Prod=09

X Non Reg ship to O.K.C. WT=64 Drums

Wednesday June-3-98

Inspected area No Haz Waste Problems
WT=06 Prod=09

Thursday June 4-98

Inspected area No Haz Waste Problems
WT=14 Prod=10

Friday June 5-98

Inspected area No Haz Waste Problems
WT=16 Prod=10

Monday June 8-98

Inspected area No Haz Waste Problems
WT=22 Prod=10

Tuesday June 9-98

Inspected area No Haz Waste Problems
WT= Prod=11

X Non Reg ship to ORC. WT= 72 Drums

Wednesday June 10-98

Inspected area No Haz Waste Problems
WT= 12 Prod=12

Thursday June 11-98

Inspected area No Haz Waste Problems
WT= 18 Prod=12

Friday June 12-98

Inspected area No Haz Waste Problems
WT= Prod=

Monday June 15-98

Inspected area No Hag Waste Problems
WT= Prod=

Tuesday June 16-98

Inspected area No Hag Waste Problems
WT= Prod=
X Non Hag Ship to OKC WT= 72 Drums

Wednesday June 17-98

Inspected area No Hag Waste Problems
WT= Prod=

Thursday June 18-98

Inspected area no Hag waste problems
WT= Prod=
X Non Reg Ship to OKC WT= 72 Drums

Friday June 19-98
Inspected area no Hag Waste problems
WT= Prod=

Monday June 22-98

Inspected area No Hag Waste Problems
WT= 17 Prod= 24

Tuesday June 23-98

Inspected area No Hag Waste Problems
WT= 10 Prod= 26
X Non Reg Ship to O.K.C. WT= 72 Drums

Wednesday June 24-98

Inspected area No Hag Waste Problems